Parker

SERVICE MANUAL

No. 6632

15th Edition

The Parker Pen Company
JANESVILLE · WISCONSIN · U. S. A.

Preface

Repairing a fountain pen is not as simple as it seems.

No one should attempt to repair or adjust a fountain pen until he is familiar with the mechanical characteristics of that pen. With the help of the directions in this service manual, a dealer can quite easily remedy the ordinary complaints made by a customer.

In a great many of the cases when a customer claims that ink does not flow properly in a fountain pen, it is because the owner of the pen has failed to observe the simplest rule laid down in the instructions concerning fountain pens—namely, to keep the pen point covered and the cap screwed down tightly over it. When the point is left exposed, the molecules of water in the ink are constantly being drawn into the dry air and eventually nothing but dried ink is left around the pen. Naturally, a pen with a dry point cannot write satisfactorily.

If a pen is brought to you in this condition, a simple way to get the pen in working condition is to stand the pen, point downward, in a glass of clear, cold water for an hour or two.

Some people are so thoughtless as to take hold of the nib of the pen with a pair of pliers and attempt to pull it out in this way. Ordinarily this cracks the iridium from the gold and, in any event, it is certain to damage the pen.

A fountain pen is a delicate writing instrument and will obey the laws of natural physics if given the opportunity, but it must have fairly intelligent treatment in order to function as the owner desires and the manufacturer designed it to operate.

This Service Manual is written and prepared for your benefit with the thought in mind that you may be able to give your customers the best kind of service and that extra accommodation which will bring additional business to you in return for the service you give.

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Important

Interesting and Helpful

Service Instructions

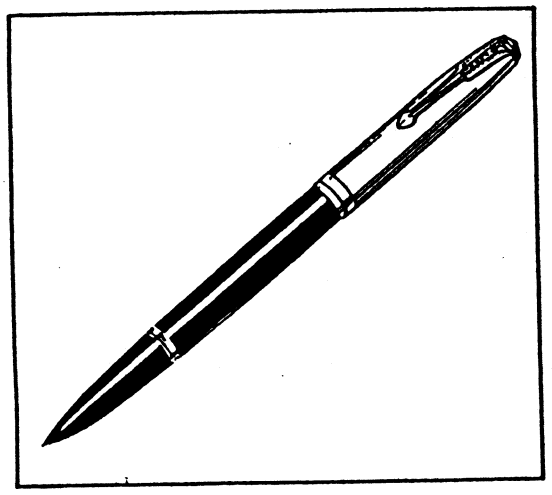
For Parker "51"

with Black Band

Like a Pen from another PLANET

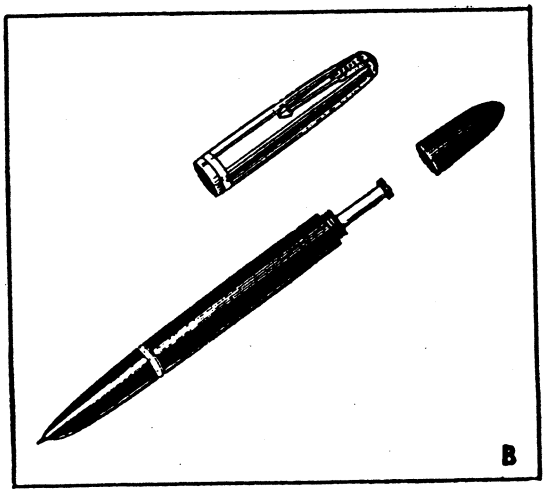
THE Parker "51"

INSTRUCTIONS FOR FILLING THE "51" PEN

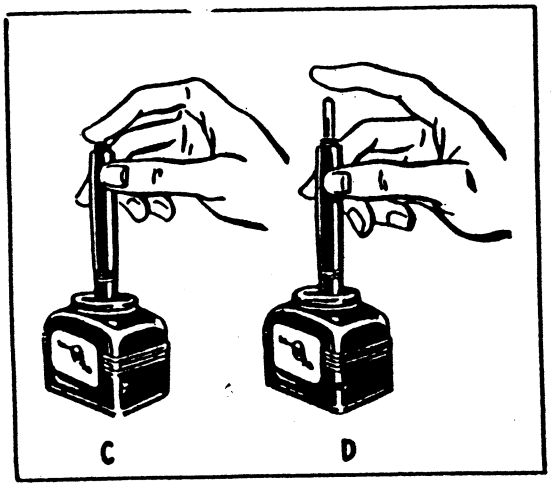


The Parker "51" is a totally new departure in writing instruments. You should thoroughly familiarize yourself with its handling in order to obtain the distinctive performance it is built to render.

Frankly the "51" is not designed for anybody and everybody any more than a $300 candid camera is built for promiscuous ownership. Used understandingly, the Parker "51" is without any question the most highly refined and perfected writing instrument yet developed.

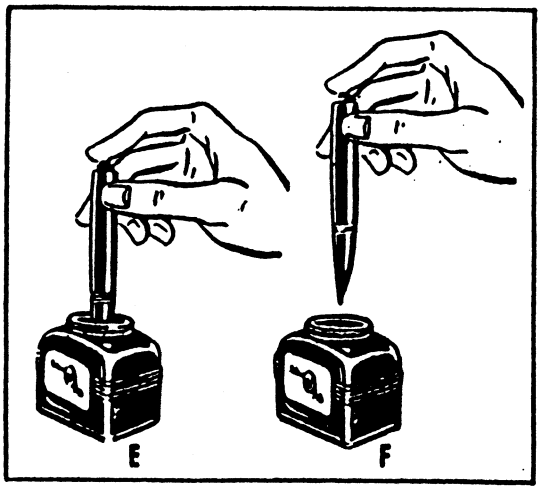


1st. Unscrew small cap at rear end of the barrel exposing filling plunger as shown in Fig. B.



2nd. Hold pen as shown in Fig. C. Immerse pen point in ink.

Then press and release the plunger briskly about 10 times, pausing at top of each stroke. See Fig. D.



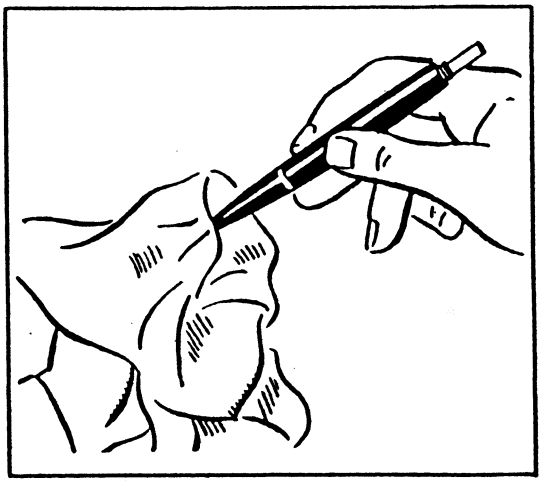
3rd. On the last or final stroke hold th plunger down, lift the pen from the ink.

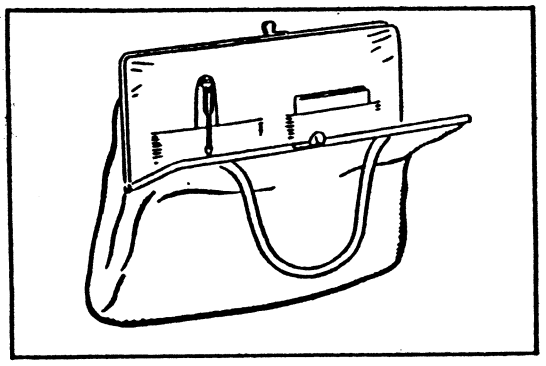
See Fig. E.

When pen is removed from bottle of ink let the plunger rise.

See Fig. F.

This one hand filling operation is very simple, yet easy to do wrong. Just remember to make the last upward stroke of the plunger after the pen is out of the ink as this clears surplus ink from the ink trap chamber. Otherwise the pen will flow too heavily when you first start to write and may leak.



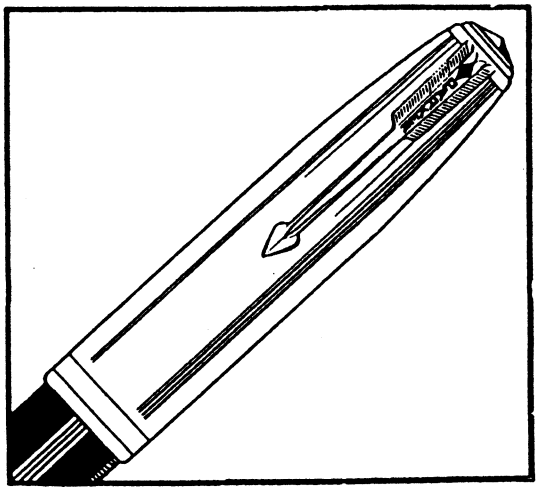


AFTER FILLING

After the Parker "51" pen is filled, wip the point carefully with a cloth. This serve a double purpose of wiping off the exces ink and starting the flow of ink down th ink channel.

Carry the pen vertically, with the ca upright, even when in a handbag.

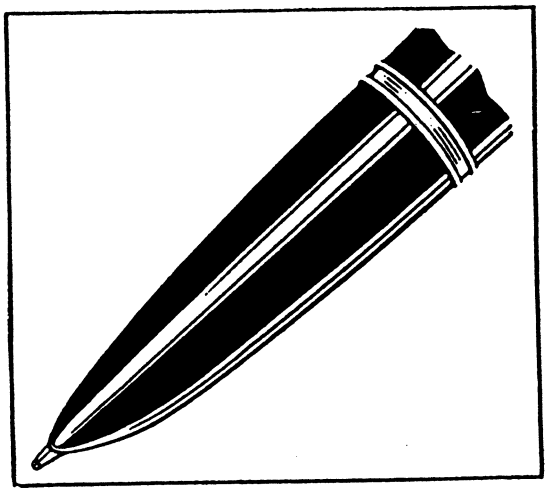
Always keep cap securely on pen whe not in use.



THE NAME "51"

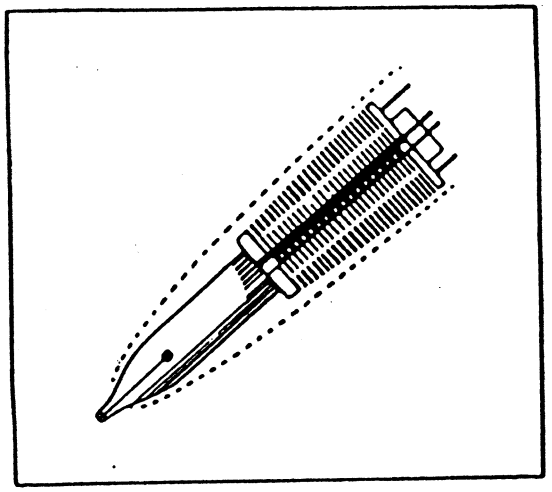
The Parker "51" is so called because its development was completed in 1939, the Company's 51st year in business.

Eleven years of chemical, physical and engineering research were spent to evolve this matchless writing instrument.



ENCLOSED 14K GOLD TUBULAR POINT

Here is a history-making innovation in Pen Points — the first point ever to be enclosed within the barrel, keeping it always moist and guarding both point and feed as the case of your watch protects its works. A long tubular point whose size, shape and weight require more 14K Gold than most standard shaped points.



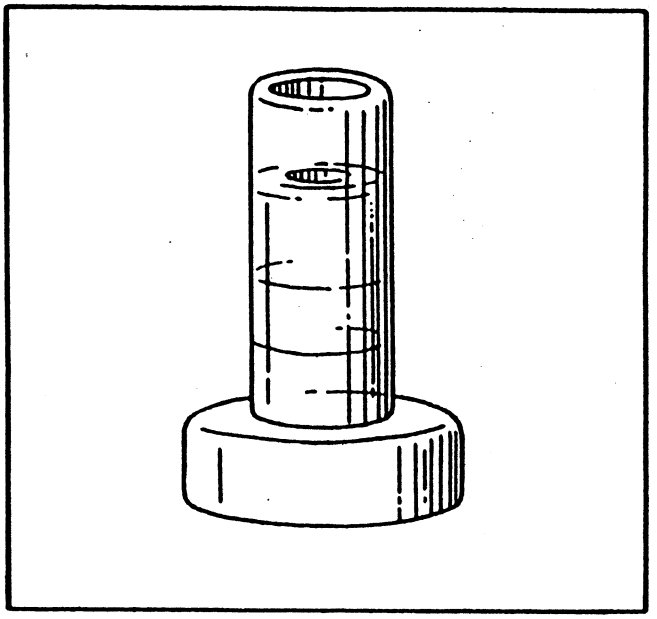
THE PATENTED INK TRAP

Another epochal achievement, the ink trap, a cylindrical comb, traps any overflow —traps it inside, so it cannot get on hands or clothes—makes the Parker "51" a pen that won't sweat, flood or leak.

Instruct the customer they should never attempt to remove front end or tamper with the parts in any way.

The ink trap is shown in the phantom illustration. In the filling operation, surplus ink should be cleared from the ink trap, as explained on page 7.

TO TEST INK CAPACITY OF "51" PENS



"51" Capacity Tube Gauge

Fill tube to top line with "51" Ink. Then place pen in tube. Push plunger down ten times keeping plunger down on tenth stroke, then take pen out of tube and release plunger.

If ink level is down to lower line, pen fills properly.

This filling gauge can be used to demonstrate the proper method of filling and at the same time demonstrate that the pen actually holds a generous ink supply.

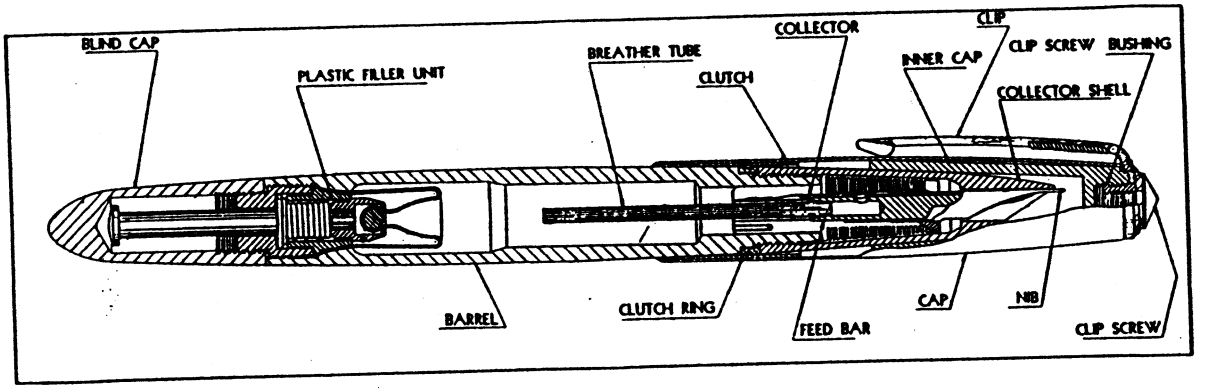
GENEROUS "51" INK CAPACITY

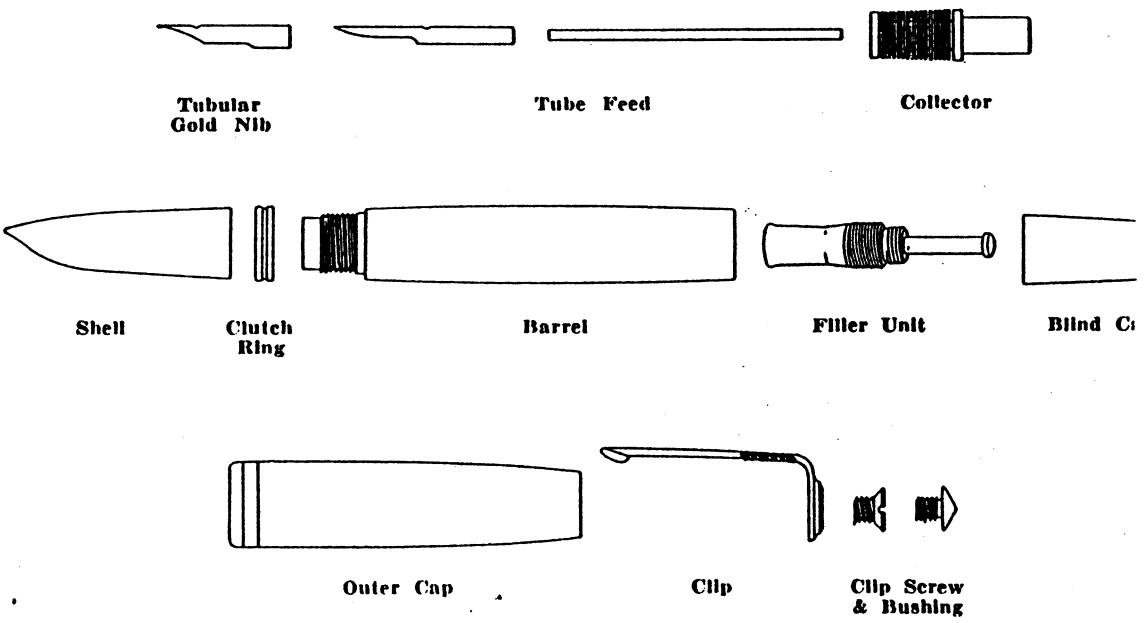
The "51" pen will take in the full ink capacity only if the filling instructions are properly followed.

IMPORTANT

The "51" pen, due to the cell-like structure in the front end, is difficult to empty by manual operation of the plunger. This, of course, also keeps the pen from leaking. It requires from 20 to 30 very slow strokes of the plunger to empty the pen. This is something that people almost never want to do, and we mention it only because it has led some owners to believe that there was not much ink in the barrel.

SECTIONAL VIEW "51" PEN





PARTS OF THE "51" PEN

Tubular Gold Nib. Made of 14K Gold, tipped with highest quality Ruthenium.
List Price - $3.50

Feed and Breather Tube Assembly. Hard rubber feed and saran breather tube.
List Price - .30

Collector. Made of DuPont Lucite Methyl Methacrylate Plastic.
List Price - .70

Collector Shell. Made of DuPont Lucite Methyl Methacrylate Plastic.
List Price - .90

Clutch Ring. Made of stainless steel.
List Price - .15

Filler Unit. Made of aluminum coupling, aluminum connection, stainless steel spri plastic plunger and carrier and rubber diaphragm.
List Price - .60

Barrel. Made of Lucite Methyl Methacrylate Plastic.
List Price - $1.80

Blind Cap. Made of Lucite Methyl Methacrylate Plastic.
List Price - .50 — Signet model .75 — Heritage and Heirloom $1.50

Cap. Made of Metal, stainless Lustraloy steel, silver or gold filled. Inside is fit with plastic inner cap and stainless steel clutch.
List Price - Gold filled $6.50 — Silver and Lustraloy $4.00 — Heirloom $29.00

Clip. Blue Diamond. Gold filled on silver or bronze metal base.
List Price - .60 — Heritage and Heirloom $12.60

Clip Screw and Bushing. Clip screw is pyralin and bushing is brass.
List Price - .10

PROPER METHOD TO TAKE "51" PEN APART

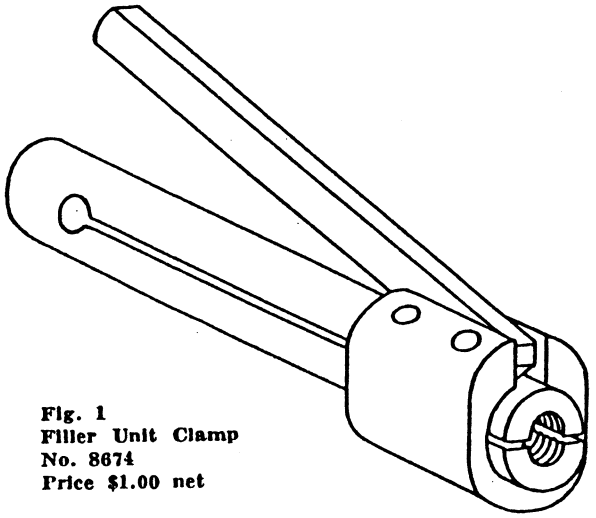


Fig. 1
Filler Unit Clamp
No. 8674
Price $1.00 net

TO REMOVE FILLER UNIT

Place filler unit clamp Fig. 1 in right hand. Hold pen in left hand. Then screw butt end of barrel into clamp snugly. See Fig. 2. Then squeeze lever of clamp onto filler unit threads and turn clamp counter-clockwise using flat piece of rubber in palm of left hand and pen holder. Remove filler unit.

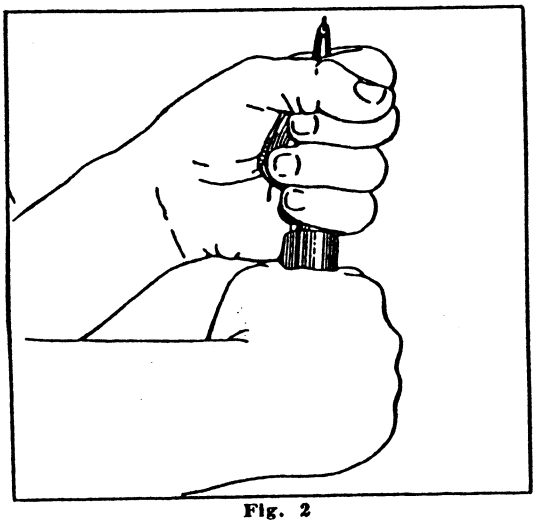


Fig. 2

TO REMOVE SHELL

Hold pen in left hand firmly with flat rubber in palm of left hand with point up. Put rubber nosed pliers over shell near clutch ring and squeeze snugly, not too tightly, and turn counter-clockwise. See Fig. 3 to remove shell.

If rubber becomes worn, turn to fresh surface to avoid marring parts.

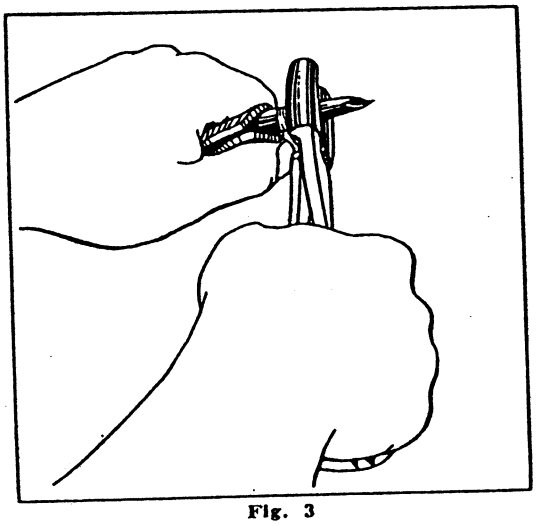
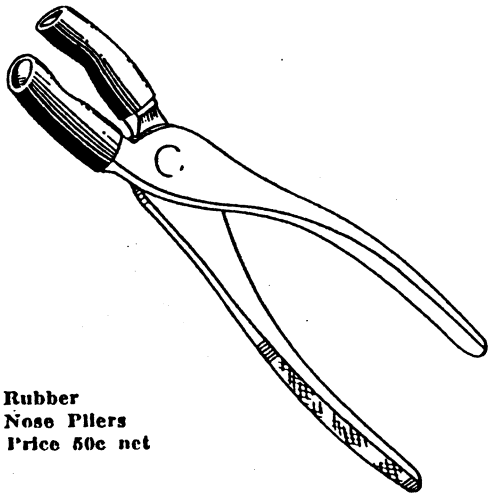


Fig. 3



Rubber
Nose Pliers
Price 50c net

TO REMOVE POINT AND FEED FROM COLLECTOR

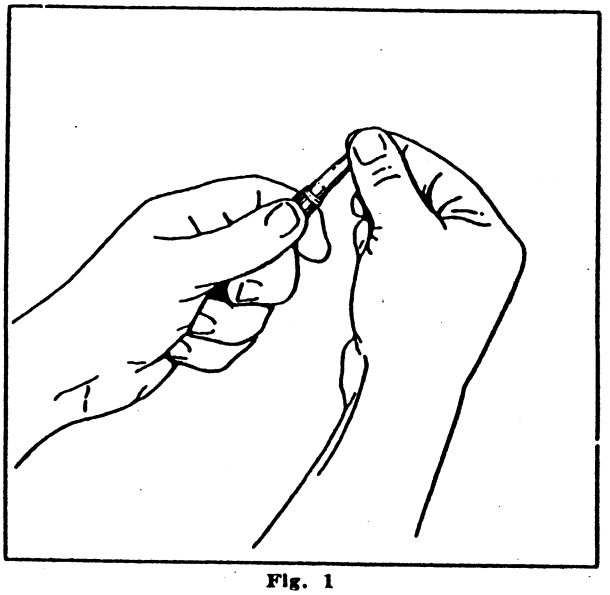


Fig. 1

1st. Hold pen in left hand, point up.

Remove point with forefinger and thumb of right hand by gripping holder wi left hand and pulling point out with right hand. See Fig. 1.

2nd. Then remove feed from collector using same method as per above.

3rd. Pull out collector by hand using forefinger and thumb of right hand turni right and left and pulling barrel toward you at same time.

Remove clutch ring. See Fig. 2.

After completely dismantled, all parts are to be thoroughly cleaned befo reassembling.

Be sure that collector fins are free from any dirt or sediment and that no fi are broken.

Rinse all parts with cold water, or vinegar and water, or ammonia and water.

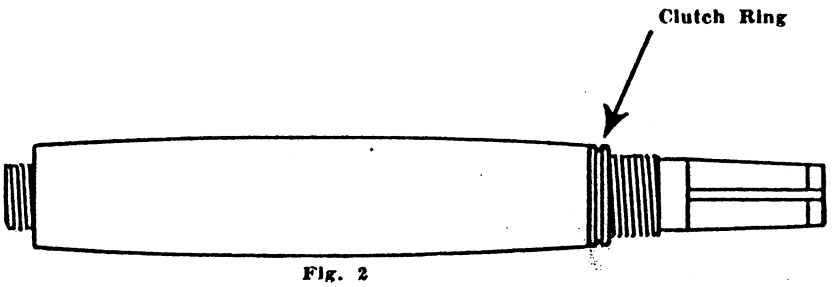


Fig. 2

TO INSTALL THE FILLER UNIT

Diaphragm Lubricant
10c net

Be sure that all old rubber parts are removed from barrel and barrel is dry on inside. Place diaphragm lubricant on end of diaphragm, see Fig. 1, with small camel hair brush. Then place small quantity of "51" cement on top of threads. See Fig. 1.

Push plunger down before inserting into barrel.

Then screw filler unit in butt end of barrel about two or three turns with forefinger and thumb. See Fig. 2.

Next screw filler unit clamp half way on filler unit threads.

Then hold barrel in left hand using flat rubber in palm. Hold tightly and squeeze lever on clamp firmly with right hand and turn both barrel and clamp with both hands in opposite directions until filler unit fits snugly. See Fig. 3.

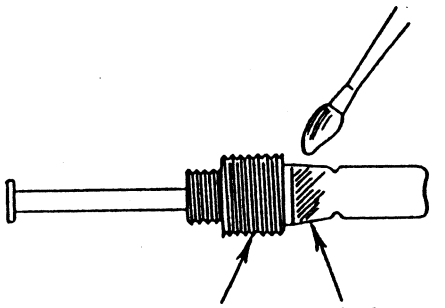


Fig. 1

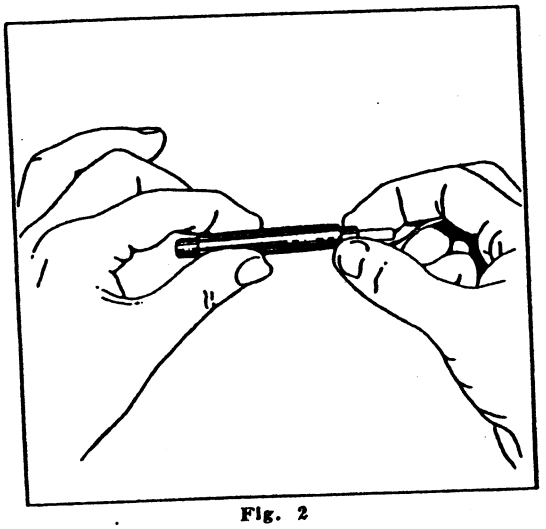


Fig. 2

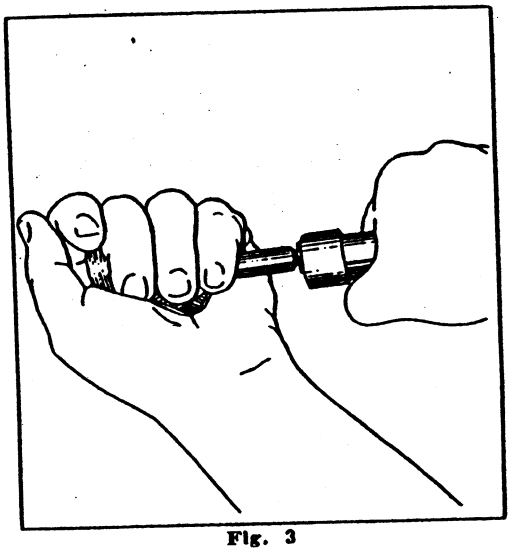
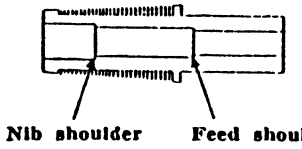
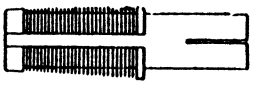


Fig. 3

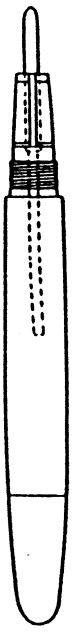
FITTING POINT AND FEED INTO COLLECTOR SHELL AND BARREL



Hold barrel in left hand, push collector into barrel with wide channel of collector facing you. Be sure collector is snug but not too tight to turn and yet not too loose.



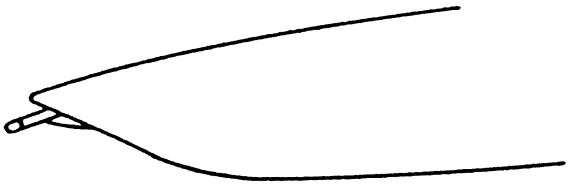
Then insert feed tube first into the front end of the collector in such a way that the rounded top of the feed is lined up with the wide channel on top of the collector and the air hole in the feed is directly in line with the wide channel in the top of the collector.



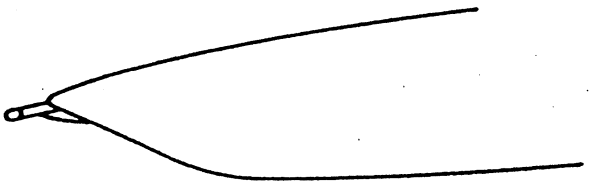
Push the feed all the way into the collector until it stops against the feed shoulder inside of the collector.

To fit point hold barrel in left hand. Hold point in thumb and forefinger of right hand pushing over the feed into collector so that the pierced hole in the nib lines up with the wide channel of the collector.

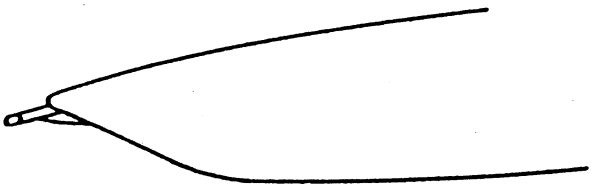
After point is set properly in collector and feed, there must be a slight space between the points. To space the prongs use the thumb-nail and pry the prongs apart just a little.



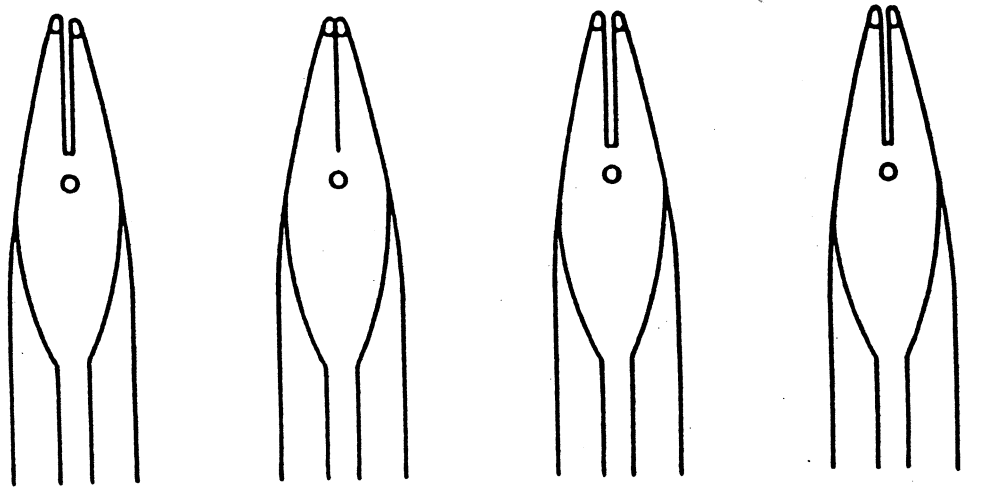
Shell Tip Not Heated Down.



Shell Tip Heated Down



Tip Heated Down but slightly cut away
underneath which is O. K. if nibs have no flex



Uneven Nib
Incorrect

Nib not
Spaced

Nib Spaced
too wide

Nib Spaced
properly

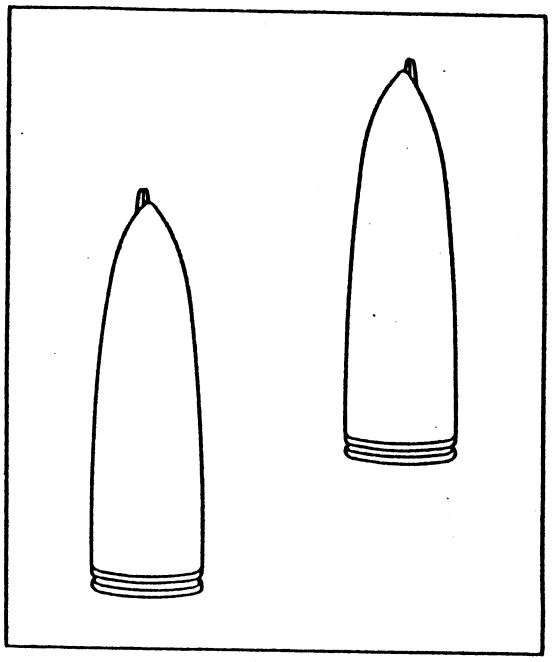


Fig. 1

If after cementing shell tightly on barrel, the point is still off center to the l or right, see Fig. 1, remove shell and repeat procedure as shown on page 18.

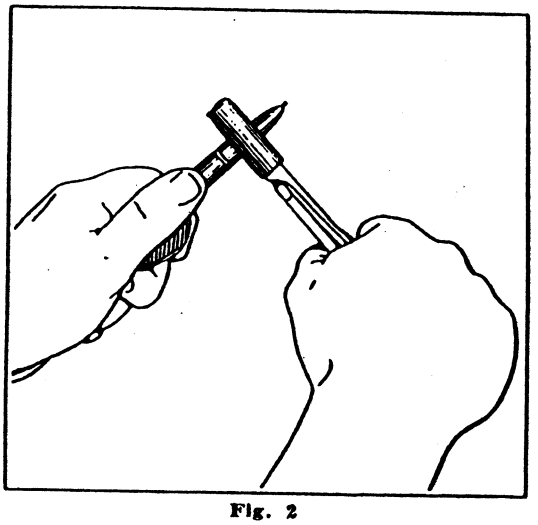
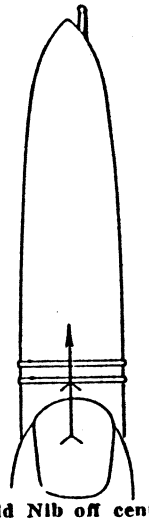


Fig. 2

Then hold shell tightly with rubber nosed plier just above clutch ring with rig hand and turn barrel with flat rubber in palm of left hand toward you until barr is tight. See Fig. 2. If this does not line up, repeat operation as shown on page 1 Do not exert undue pressure on shell.

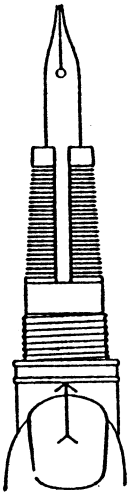
TO FIT THE SHELL ON BARREL OVER POINT



Gold Nib off center

When the shell is screwed in the barrel over the point, it is not possible to know in advance the position in which the shell will stop. Frequently the gold nib will not line up with the shell front.

After screwing the shell on snugly, hold the thumb of your left hand on the barrel in line with the shell tip.



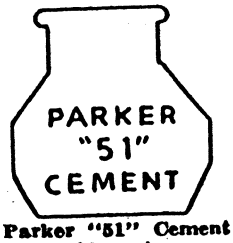
Turn Collector

Then remove the shell with the right hand and turn the collector around until the gold nib lines up with your thumb.

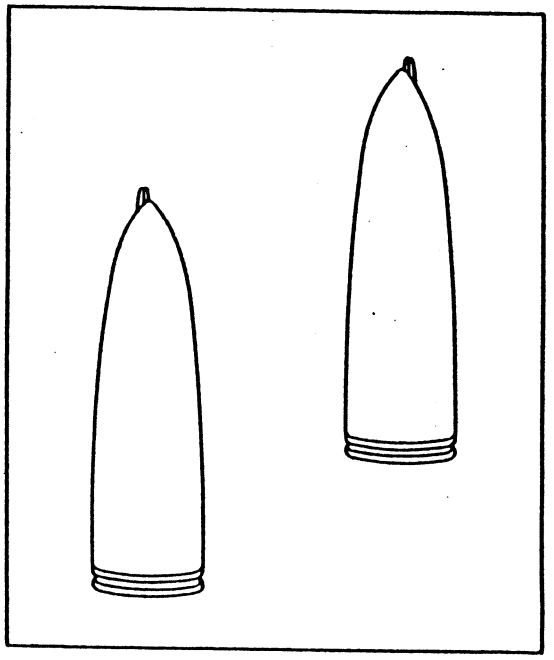
Gold Nib centered

Again screw the shell on snugly by hand to make sure that the shell tip lines up correctly with the gold nib. If it does, remove shell and apply a little "51" cement all around the threads of barrel. The cement will make a leak proof joint. Screw shell tightly on the barrel with rubber nosed pliers.

Caution: Keep open bottle of "51" cement away from any exposed flame.



Parker "51" Cement
10c net



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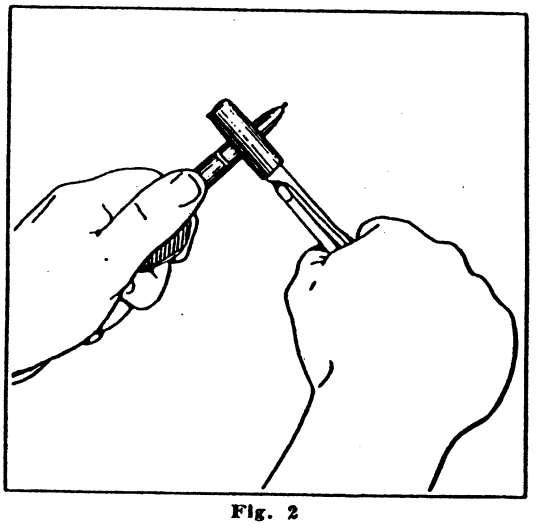


Fig. 2

Then hold shell tightly with rubber nosed plier just above clutch ring with rig hand and turn barrel with flat rubber in palm of left hand toward you until barr is tight. See Fig. 2. If this does not line up, repeat operation as shown on page 1 Do not exert undue pressure on shell.

AFTER FINAL POINT ASSEMBLY

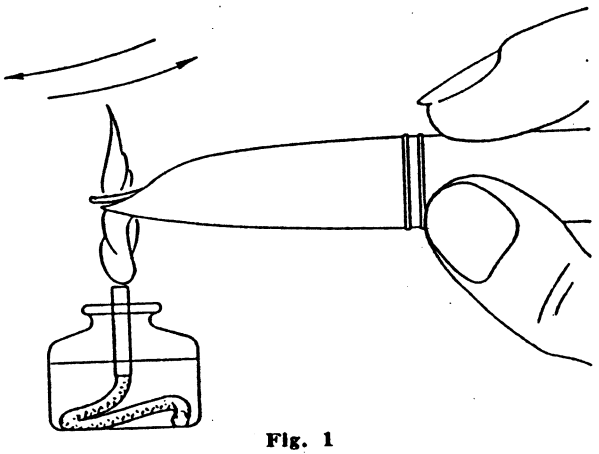


Fig. 1

The tip of the shell must lie tightly against the gold nib.

To accomplish this, heat the tip of the shell by passing it through an alcohol flame several times.

Move it from side to side or it will burn. A little heat will suffice to soften the tip of the shell. See Fig. 1.

Now rub it against the palm of your left hand so that the shell tip will fit tightly against the gold point See Fig. 2.

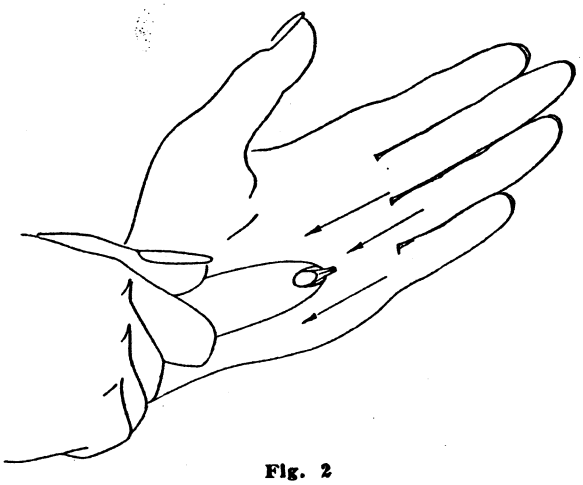
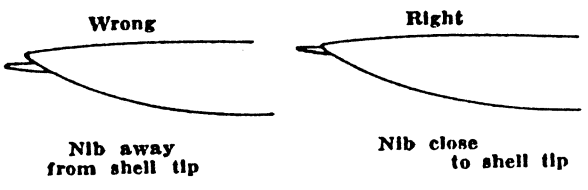


Fig. 2

Allow a few seconds to cool in air. Then fill or dip to test flow.

Sometimes this procedure of heating down causes the shell tip to press too tightly against the nib thus closing the prongs and preventing the ink from flowing. In that case reheat the shell tip just a little, same as in Fig. 1.

Then while tip is still warm draw some lines using downward strokes with slight pressure. This will open prongs slightly.



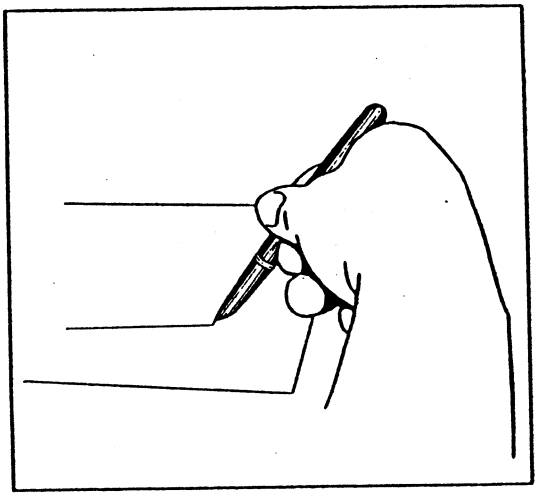
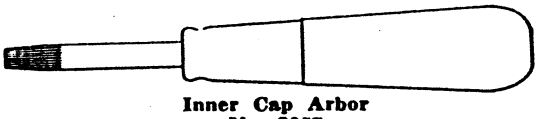


Fig. 1

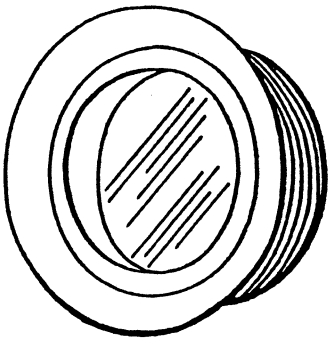
Nib properly spaced. See Fig. 1.

Test for proper degrees of spacing with nib gauge as shown on page 17.



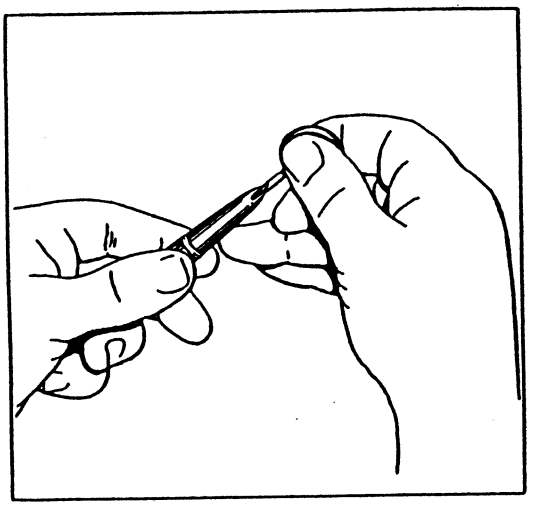
Inner Cap Arbor
No. 8057
Price $1.00 net

Insert arbor tightly in cap to give a solid grip while tightening clip bushing and clip screw.

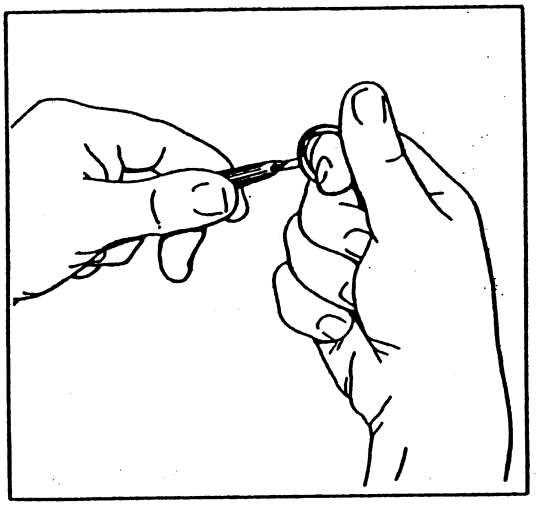


Magnifying Glass
Bausch & Lomb Lens
Power No. 7
Price $1.00 net

TO CHANGE POINT WITHOUT REMOVING SHELL

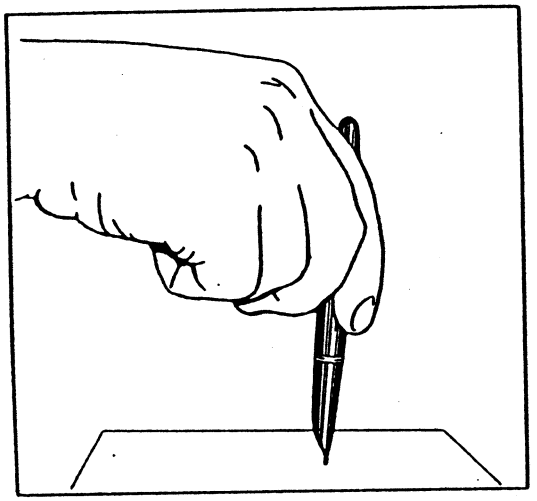


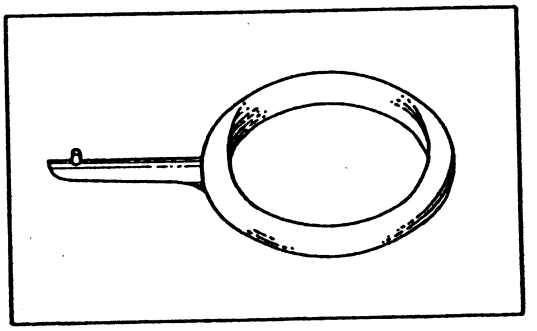
Hold pen in left hand with feed facing up. Place nib puller at top of feed, pressing downward and slipping nib puller under feed until knob on puller engages hole in nib, then pull both left and right hand in opposite directions to pull out nib.



TO REPLACE NIB

First space nib with thumb pressure and see that both prongs are even. Then push nib into shell over feed with forefinger and thumb of right hand lining tip of shell with slit in nib with enough pressure to hold in position. Then press end of nib on hard surface until nib hits shoulder of collector. Heat shell if necessary.

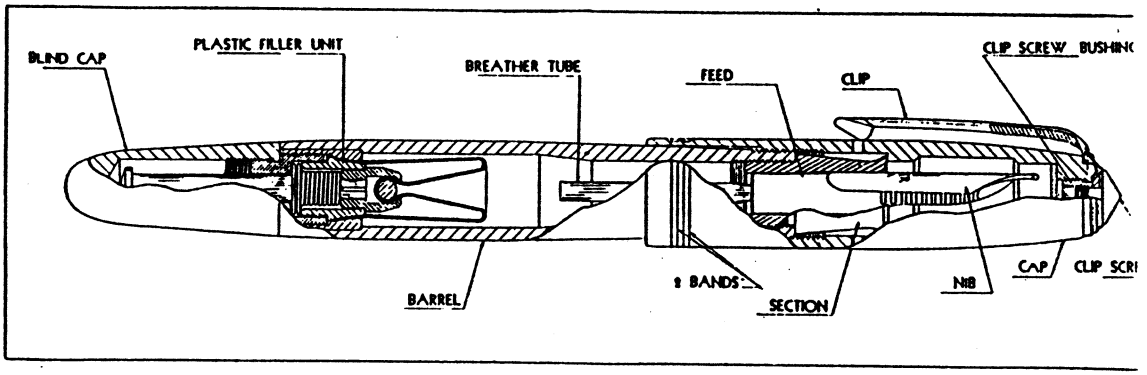




"51" Point Remover. No. 8573RI
Price $1.00 net

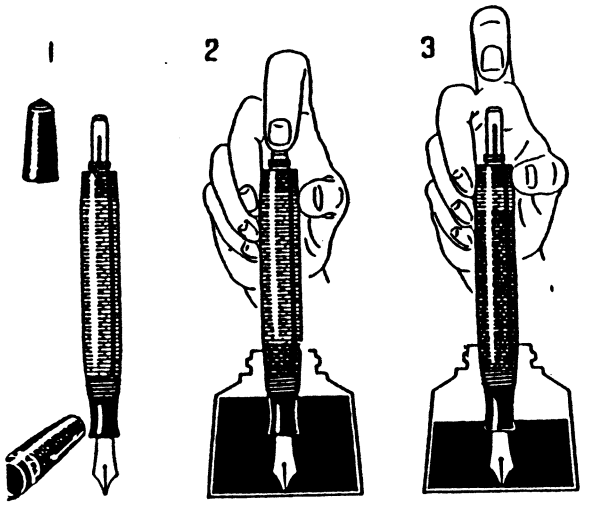
The Parker Vacumatic Pen

SECTIONAL VIEW VACUMATIC PEN



INSTRUCTIONS FOR FILLING THE PARKER VACUMATIC PEN

EXTENDED FILLER MODELS

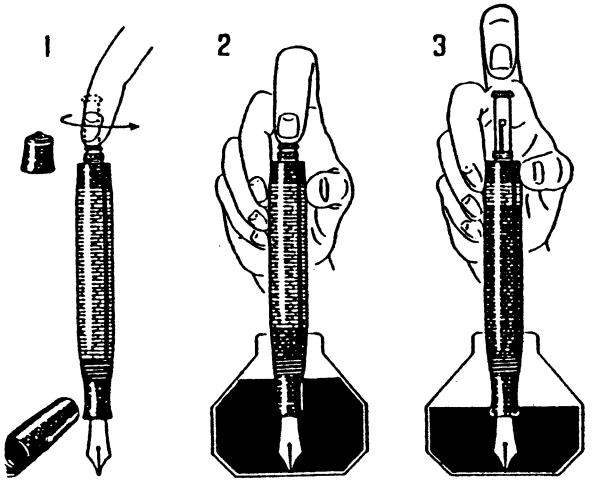


Unscrew and remove the small cap on the end of the barrel as in Fig. 1. Immerse the gold pen point completely in ink. Depress the filling plunger ten times as shown by Fig. 2. Pause a second at the top of each stroke, as shown in Fig. 3. By holding the ink bottle with the pen in it against the light, you may watch the transparent laminations and see how the barrel fills completely with ink.

After the pen is filled replace the small cap.

LOCK FILLER MODELS

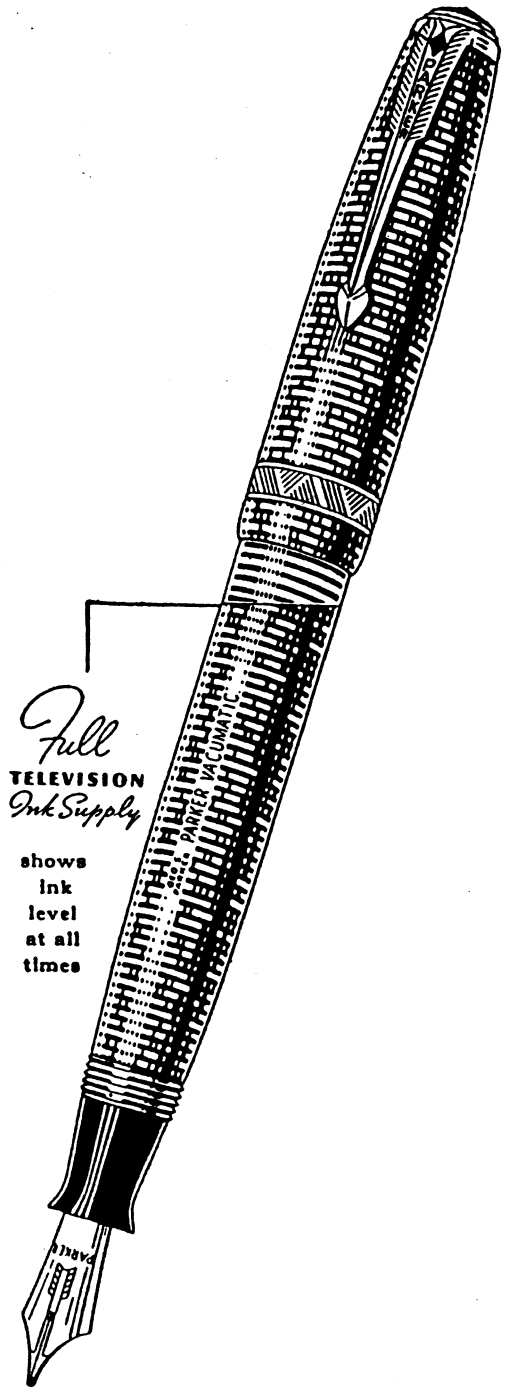
(Manufacture Discontinued)



After unscrewing and removing the small cap on end of barrel, release the filler plunger by pressing and turning slightly to left. Plunger will then extend. See Fig. 1.

Immerse the gold pen point completely in ink. Depress the filler plunger ten times, making the down and up strokes quickly, but pause a second at the top of each stroke. Pausing between strokes gives the ink time to flow in. See Figs. 2 and 3.

Sometimes more than ten strokes are required, depending upon the size of the pen. When pen is full, depress the filler plunger and re-engage it by turning it to the right before removing the pen from the ink bottle.



The Parker Vacumatic pen when held to the light, shows the quantity of ink indicating to the user when to refill and thus ending the inconvenience caused by a pen running dry in the midst of writing.

Keep the outer cap screwed tightly on the pen when not in use. This will keep the pen point always moist and ready for immediate use.

Never flush the pen with hot water, alcohol, acids or anything except cold water. Anything but cold water is almost certain to damage the pen.

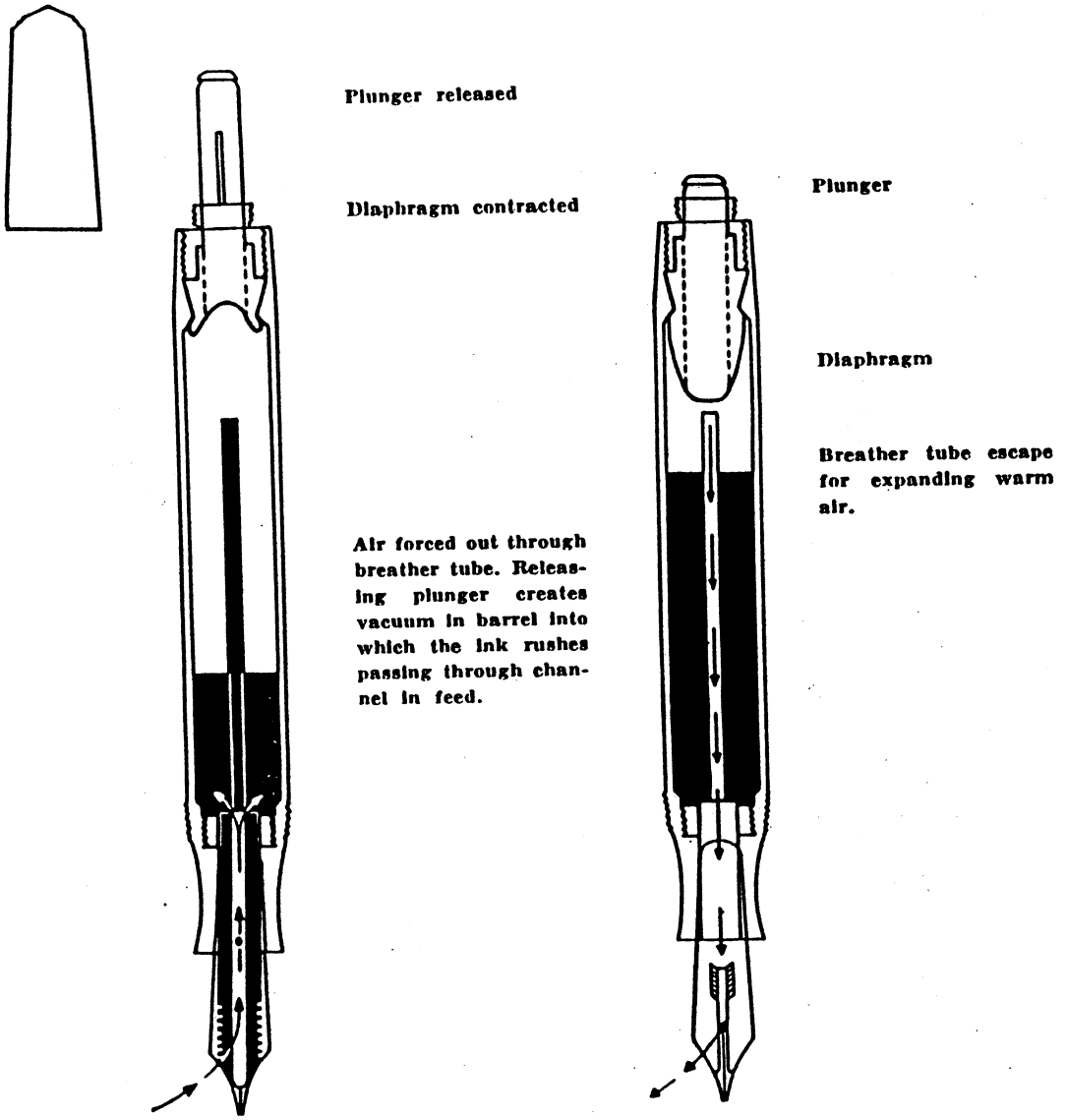
TO EMPTY THE PEN

To empty the Parker Vacumatic pen, push down filler plunger very slowly. The slow pressure allows the ink to be expelled in drops. Release the plunger and repeat until the pen is empty.

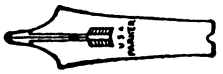
It is necessary to clean the fountain pen from time to time in order to keep it in good condition. Fill the pen with water and let it stand point down in a glass of water. This dissolves and removes all ink crusts.

THE VACUMATIC FILLING ACTION

In the cut below you will see that there is a breather tube running from the feed up through the center of the barrel. When the diaphragm is distended as the plunger is pushed down, air in the barrel is forced out through the breather tube. When plunger is released, contracting the diaphragm, a vacuum is created in the barrel into which the ink rushes, passing through channel in feed.

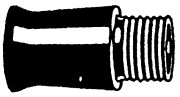


PARTS OF THE PARKER VACUMATIC PEN

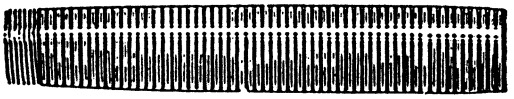


Gold nib

Tube feed



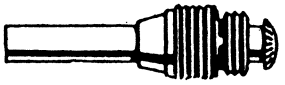
Section



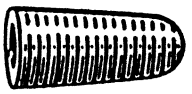
Barrel

Filler Unit

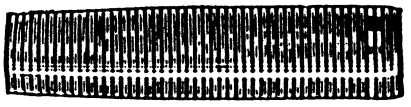
Diaphragm



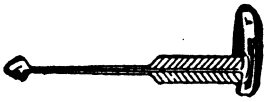
Filling Mechanism



Blind Cap



Outer Cap



Clip

Clip Screw

Gold Nib. Made of 14K gold, tipped with highest quality Ruthenium. List Price: Junior, Sub-Deb, Standard and Slender $2.00; Major, Debutante, Imperial Debutante and Imperial Major $3.50; Maxima $4.00.

Tube Feed Assembly. Hard rubber feed and saran breather tube.

Section. Made of DuPont Pyralin. List Price: Junior and Sub-Deb $ .20; all others $ .30.

Barrel. Made of laminated unbreakable DuPont Pyralin. Patented by and exclusive with Parker. List Price: Junior and Sub-Deb $ .80; Standard, Slender, Major, Debutante and Imperial Debutante $1.20; Maxima and Imperial Major $1.80

Filler Unit. Consists of filler mechanism and diaphragm. Extended type plastic plunger. List Price: $ .60.

Diaphragm. Made of rubber.

Filler Unit. Made of aluminum coupling, aluminum connection, stainless steel spring, lock type metal plunger and carrier.

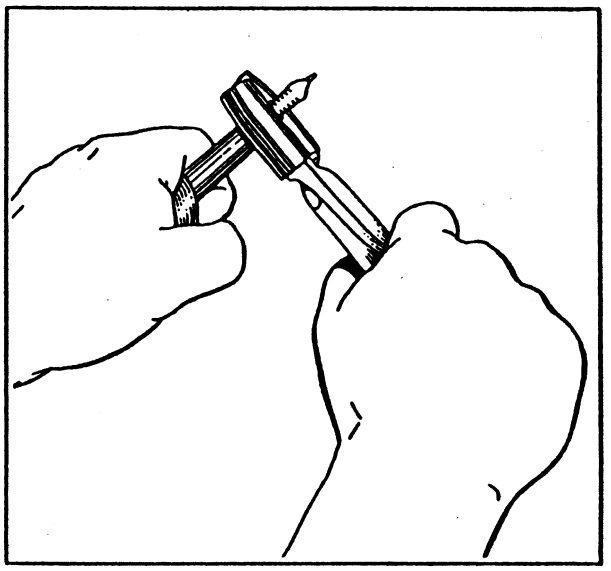
Blind Cap. Made of Pyralin. Unit consists of blind cap, band and clip screw. List Price: Junior and Sub-Deb $ .20; Standard and Slender $ .40; Major, Debutante, Maxima, Imperial Debutante and Imperial Major $ .50.

Outer Cap. Made of Pyralin, mounted with gold plated bands. Inside is fitted with inner cap which provides an airtight chamber for the nib when the pen is closed. List Price: Junior and Sub-Deb $ .70; Standard and Slender $1.10; Major and Debutante $1.70; Maxima $2.00; Imperial Debutante $5.75; Imperial Major $6.00.

Clip. Silver or bronze spring metal covered with rolled gold. White gold clips are covered with rolled gold and plated with chromium. List Price: $ .60.

Clip Screw and Bushing. Clip Screw is Pyralin. Bushing is brass. List Price: $.10

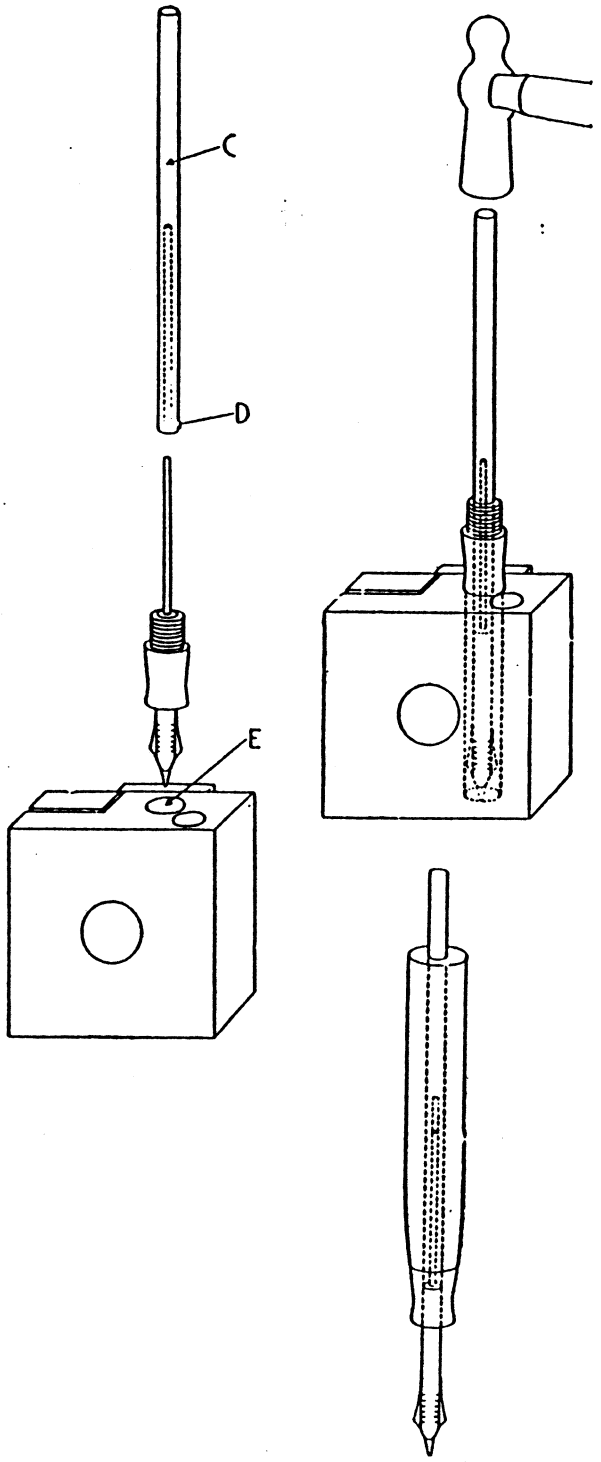
PROPER METHOD TO TAKE VACUMATIC PEN APART



TO REMOVE SECTION POINT AND FEED

Place flat piece of rubber in palm of left hand, grip pen barrel firmly. Then use rubber nosed pliers in right hand, grip section tightly and turn to right with left hand in opposite direction to unscrew section containing point and feed. See Fig. 1.

TO REMOVE THE GOLD NIB



Place the nib and feed into the coll "E". Slip the channel "D" of the driv "C" over the breather tube and wit light taps of a hammer drive out tl nib and feed.

Should the Vacumatic pen be of tl old style, which has a one-piece sectio barrel, the same procedure may be a plied although the section cannot be r moved. Instead, remove the filler un and insert the driver "C" from the er of the barrel. The driver "C" was ma purposely long enough to fit in one-pie section-barrel pens.

TO REMOVE FILLER UNIT

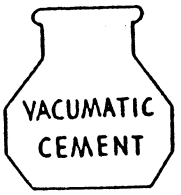
Use same tool and procedure as you would in "51" barrel. See Page 12.

Round brush
10c net

Then dip barrel cap-section and feed in cold clean water and brush out with round brush to clean dried ink and dirt from the inside of the cap and barrel. Dry with clean cloth.

TO RE-ASSEMBLE VACUMATIC PENS

First replace completely filler unit in barrel using same procedure as in fitting "51" filler unit. See Page 14. Figures 2 and 3.



Vacumatic Cement
10c net

TO FIT NIB AND FEED

Apply small quantity of Vacumatic Section Cement on threads of section then screw section snugly into barrel using rubber nosed pliers.

Feed right

Then place point over feed so that upper part of feed does not go above point. Hold both in position with fore-finger and thumb of right hand. Hold barrel and section in left hand, push point and feed into section snugly. Then grip point and feed firmly with Bernard rubber nosed pliers about one-eighth inch from top of section forcing feed and point into section.

Then check point for proper depth into section so that cap will not hit point. Use point depth gauge #9601.

Place top section against lower part of gauge with point on top of gauge. The top of point should reach designated line as follows:

A - 5/8" is used for the Midget and Gold Lady pens.

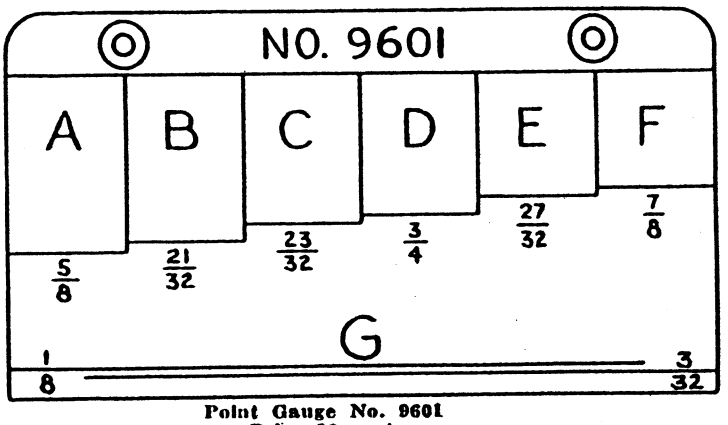
B - 21/32" is used for all Lady Vacumatic, Lady Duofold, Lady Challenger and Lady Parkette models.

C - 23/32" is used for the Junior Challenger and Junior Parkette.

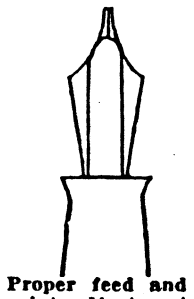
D - 3/4" is used for the Junior Vacumatic and Major Vacumatic and Junior Duofold.

E - 7/8" is used for all $10.00 Vacumatics and Senior Duofolds.

G - is used to grade distance from top of feed to top of point.



Point Gauge No. 9601
Price 00c net



Proper feed and point adjustment

CHECK POINT FOR PROPER SPACING

Be sure that both prongs are even with a slight space between prongs. Use metal spacing sheets to determine correct spacing depending upon degree of point fineness as pen illustration shown on Page 17 of "51" Instructions.

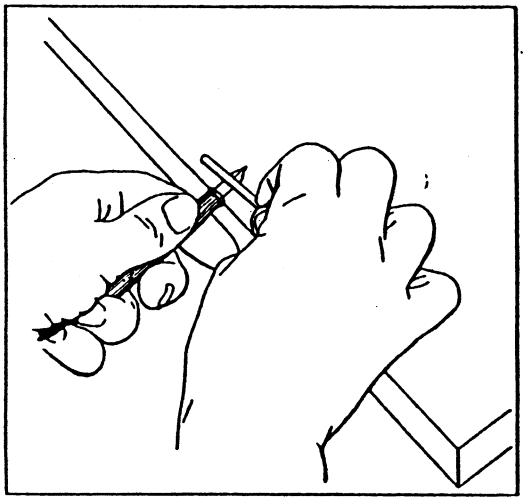


Fig. 1

TO INCREASE OR DECREASE THE FLOW OF INK

To Increase Flow hold pen point firmly on end of bench with face up, then use round smooth metal rod and roll over face of point over the air hole with slight pressure while rolling. See Fig. 1.

Another method is to raise each prong of the gold point with the thumb nail one prong at a time, then check point for alignment and flow. See Fig. 2.

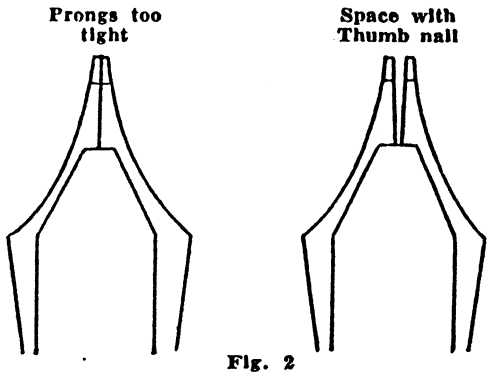
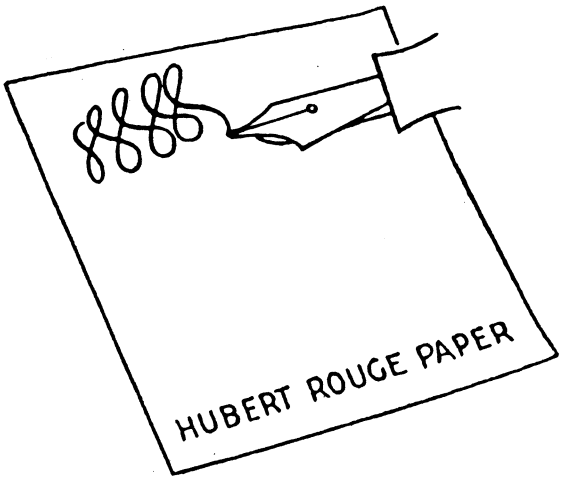


Fig. 2

To Decrease Flow close space slightly using thumb nail pressing one prong at a time downward then check prongs for correct alignment.

TO REFINISH OR SMOOTH THE IRIDIUM TIP



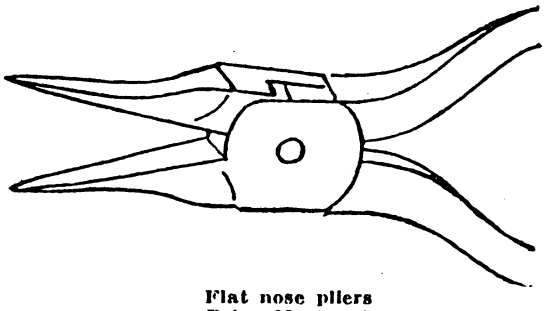
Sheet 5c net

Sometimes a customer will bring pen with the complaint that the scratches or you may find that v demonstrating a new pen to a pros that while the pen writes smoothl your hand, in the customer's han seems to scratch the paper. This hap because the customer may hold the at a slightly different angle than u:

A scratchy pen point can be smoo up easily by simply running the point in figure eights over a special of polishing paper, known as Hu Rouge Paper. This paper is imported can be furnished upon request.

Warning - Before using this paper sure that prongs are evenly lined otherwise you will spoil the point.

FLAT NOSE PLIERS

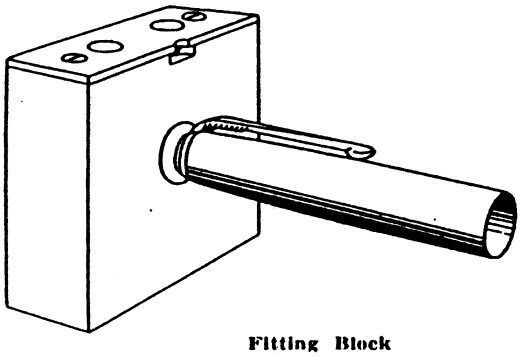


Flat nose pliers
Price $3.00 net

Only an experienced person can ad the ink flow of the nib with a pai small pliers. The jaws of these pl must be especially ground to a thin We can supply them upon request.

Care must be taken to keep pl away from the iridium tip of the An inexperienced person is likely break off the iridium when trying bend the prongs with the pliers.

TO REMOVE THE CLIP SCREW AND CLIP BUSHING



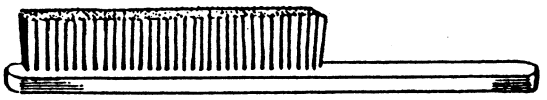
Fitting Block

TO REMOVE CLIP SCREW

On the underside of the fitting block is a small rubber disc "H". Hold the block in the left hand and press the clip screw firmly against this rubber disc. Give the cap a sharp twist to the left to loosen the clip screw to remove or unscrew it.

TO REMOVE CLIP SCREW BUSHING

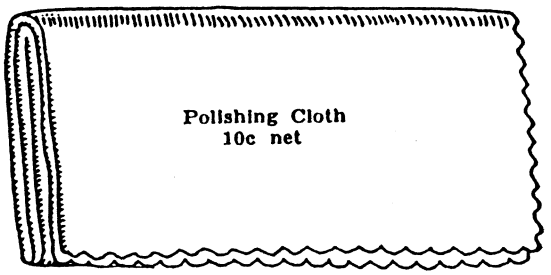
After clip screw has been removed as per above instructions, take a small screw driver and fit into slit of bushing and turn out bushing. This will also remove the clip from the cap.



Flat Brush
55c net

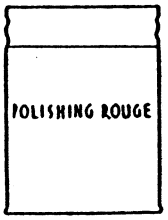
FLAT BRUSH

To remove dried ink or sediment which has accumulated on feeds, brush the cutting in the feeds with the flat brush which has been dipped in water.



POLISHING CLOTH

This polishing cloth has been chemically treated; with it you may restore the lustre to the barrel of the pens.



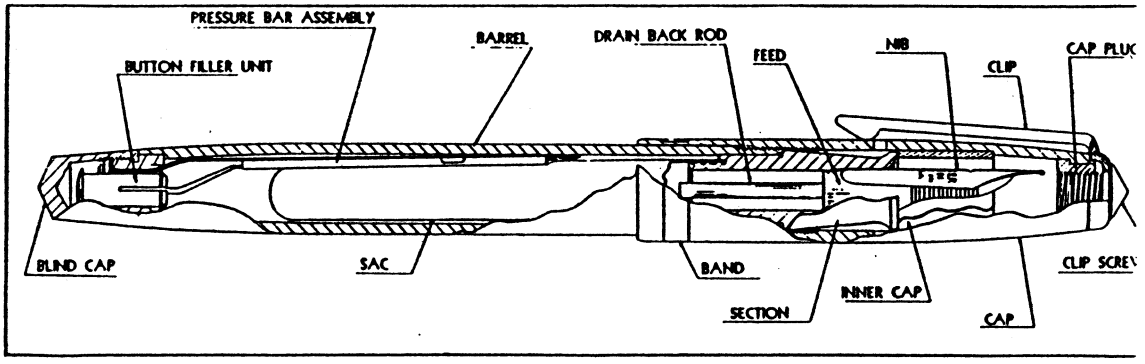
1 Oz. Rouge
10c net

POLISHING ROUGE

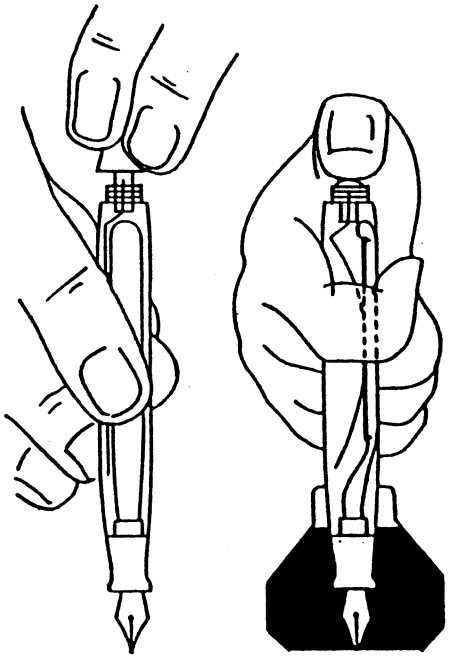
Apply a small portion of the rouge to a cloth and rub over the gold parts; such as, pen point, gold bands and clip to give a high lustre.

The Parker Duofold Pen

SECTIONAL VIEW DUOFOLD PEN



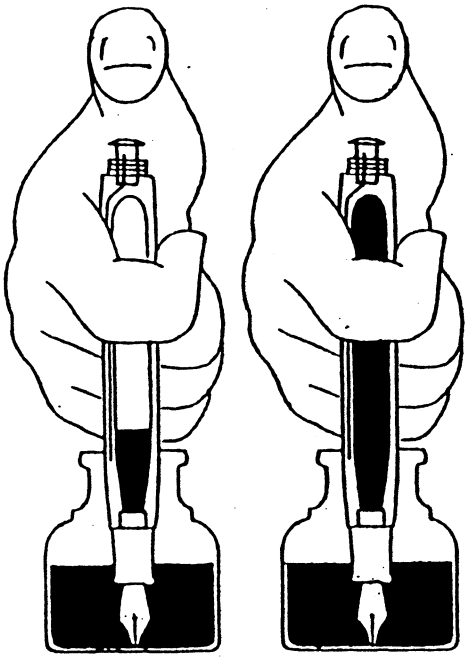
INSTRUCTIONS FOR FILLING PARKER DUOFOLD PENS



Unscrew cap — Submerge entire nib in ink

Unscrew the blind cap on the end of the barrel and insert pen in a bottle of good fountain pen ink. It is necessary that the nib and feed be completely submerged in the ink. Press button with thumb to expel all air from ink sac. Release thumb from button instantly and let the nib stay in the ink while you count ten. The ink sac should then be filled.

Be sure to explain to the buyer of a Parker Pen that he must give it time to fill. Some people press the filler-button and withdraw the pen almost immediately after releasing pressure on the button and expect the sac to be filled.

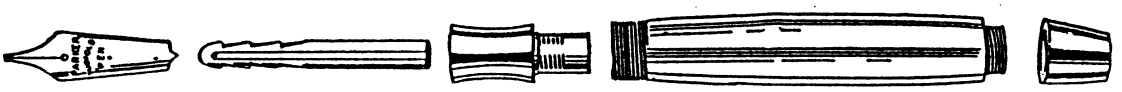


Press button Release thumb — Count ten

To fill the sac completely, the point should remain immersed in ink at least ten seconds. After ten seconds have elapsed, withdraw the pen from the ink bottle and with a cloth wipe the gold nib clean. Screw cap on the pen; it is now ready for writing.

Although all pens are apparently identical some may require more time to fill than others because of minute variations in the dimensions of feed channel or the degree of elasticity of the rubber sac. Thus some pens may need as much as fifteen seconds' time to fill completely.

PARTS FOR SAC PENS (Button Filling)



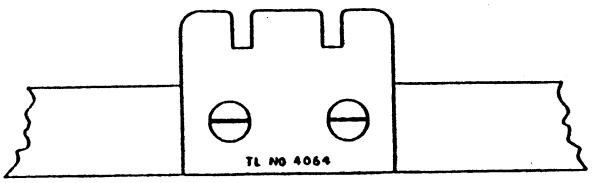
NIB FEED SECTION BARREL BLIND CAP

SAC BAR

OUTER CAP CLIP INNER CAP CLIP SCREW

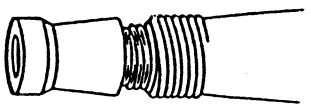
PROPER METHOD TO TAKE PARKER SAC AND BAR PENS APAR (Button Filling)

Remove small blind cap from end of barrel, then place end of button in button puller which should be screwed against work bench and pull barrel toward you to remove button. Now remove the pressure bar, pulling it out carefully.

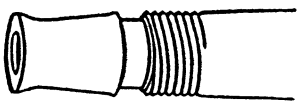


Button puller
50c net

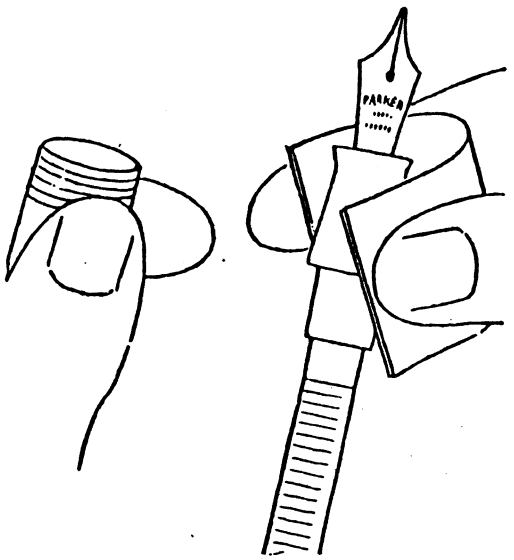
Straight-shaped pens have a screw section. Streamlined pens are fitted with a slip section.



Screw Section



Slip Section



Before removing the section from the barrel, tap the barrel at the threads with a blunt tool or small hammer. This will loosen the shellac which was used in fitting the section. Then with a piece of flat rubber, grip the section tightly. If it is a screw section, unscrew it. If it is a slip section pull it straight out. Do not rock it out, you may split the barrel.

If it is a screw section, use the rubber nosed pliers as shown in removing Vacumatic section. See Page 28.

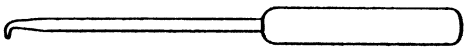
Then pull sac from section. Check section to see if it is free from dried shellac or adhering rubber.

Use a flat file to remove any shellac or dried rubber that may stick to section nipple.

Flat file
20c net

Remove point and feed from section using Block and Rod as per instructions for removing Vacumatic point and feed. See Page 29.

Also wash feed section and point as shown for Vacumatic. See page 30.



Hook Tool
No. 10201 50c net

For hooking old sacs out of barrel and hooking pressure bars out of lever side filling pens.

Shellac, 15c bottle net

To fit point and feed in section same procedure as shown in Vacum Instruction. See page 30.

Then remove section point at feed f barrel to install proper size sac. To for proper diameter of sac, drop it i barrel. It should drop in freely.

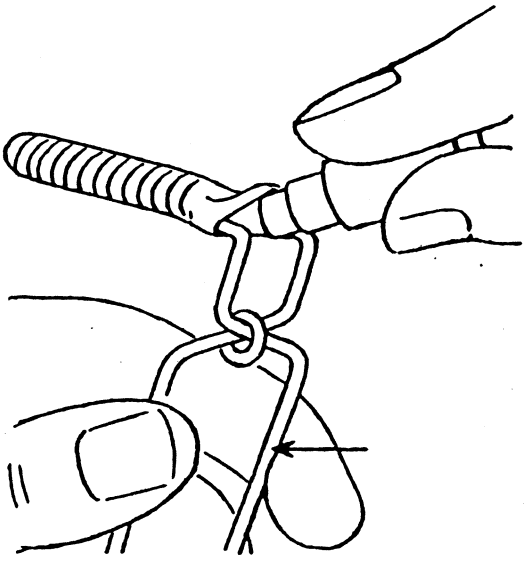
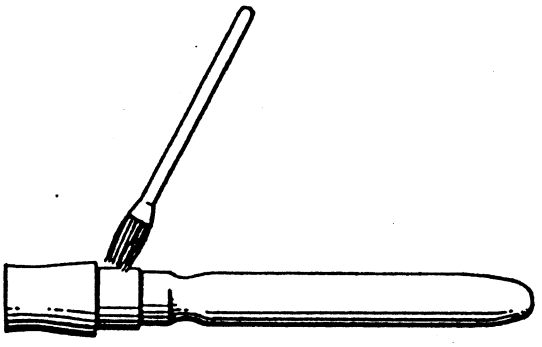


Fig. 1

Apply small quantity of shellac nipple of section and slip sac over ni of section, using sac stretcher as sh in Fig. 1. Be careful not to allow she to get in feed channel.

SAC SIZES

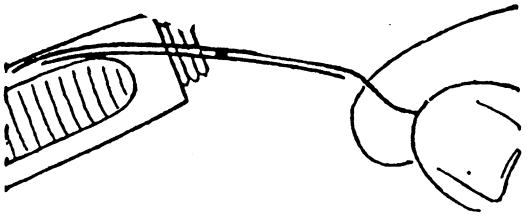
	Length Inches	Length M.M.	Di
Senior	2½	63	
Special	2½	63	
Long	2½	63	
Intermediate	2¼	57	
Short, Junior	2	51	
Lady	2	51	
Pastel	2	51	
Midget	1½	37	



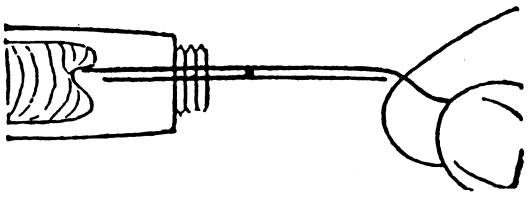
If rubber sac should be too long off surplus.

Then put a little shellac on that of the section which touches the in wall of the barrel and push sac section into the barrel.

Pressure Bar Inserted



Right



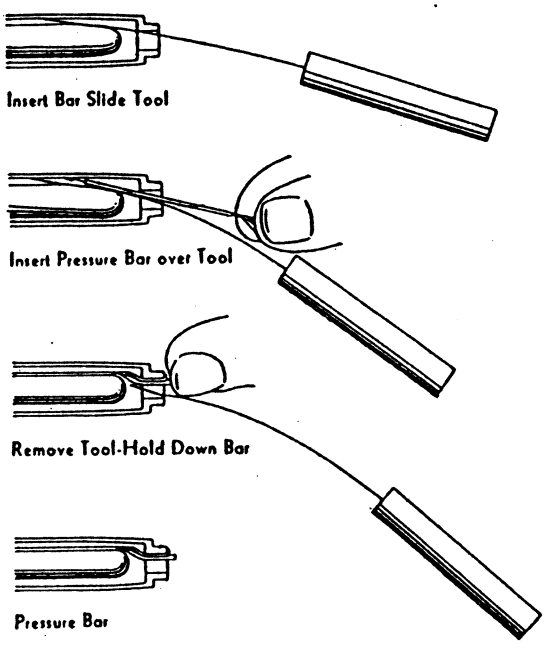
Wrong

TO INSERT PRESSURE BAR

Care must be taken when inserting th pressure bar, that the small plate of th bar faces the sac.

If you do not have the proper bar slid tool, bend the front end of the bar up wards toward the wall of the barre Make sure when you push the bar in that the sac will not be telescoped. Se illustration.

IN USING BAR SLIDE TOOL



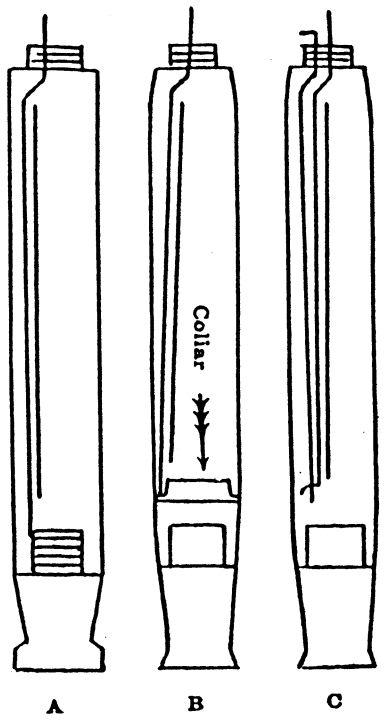
Tool No. 10534
Price 25c net

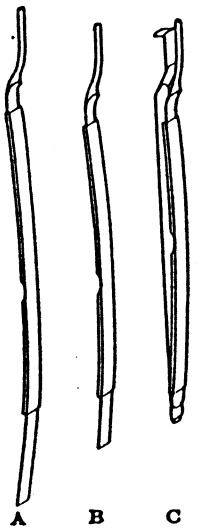
Insert tool against inner wall of ba rel, then slide pressure bar over tool int barrel. Then hold bar with thumb ar pull out slide tool. See illustration.

This will prevent possible telescopin or puncturing sac.

After the pressure bar is properly fi ted, replace the pressure button.

Be sure that the pressure bar work properly by holding the pen close to th ear and pressing the button. You shoul feel a whiff of air escaping through th air hole in the gold nib.





PRESSURE BARS

Parker Sac Pens may be fitted v one of the following pressure bars:

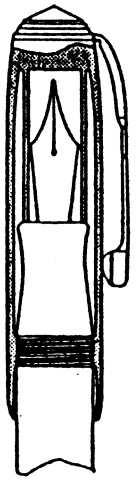
A - Screw Section Bar which was u for straight shaped pens and so named because it rested aga the screw section. The sec screws into the barrel.

B - Slip Section Bar, which is used streamline pens with a metal or "collar" inside the barrel— bar rests against the "collar".

C - Triple Bar, which eliminates pressure of a "collar". This ba now regularly fitted in button ing Parker Pens.

Pressure Bars	Length	Le
List Price 10¢	Inches	M
Screw Section Bar—		
Long	3 ⅜	
Short	2 ⅝	
Midget	1 ⅞	
Slip Section Bar—		
Long	2 ¾	
Short	2 ¼	
Triple Bar—		
Long	2 ¾	
Intermediate	2 ½	
Short	2 ¼	

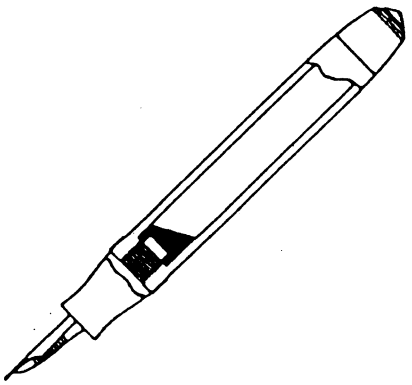
LEAKING



"Leaking" is a term applied to two different conditions.

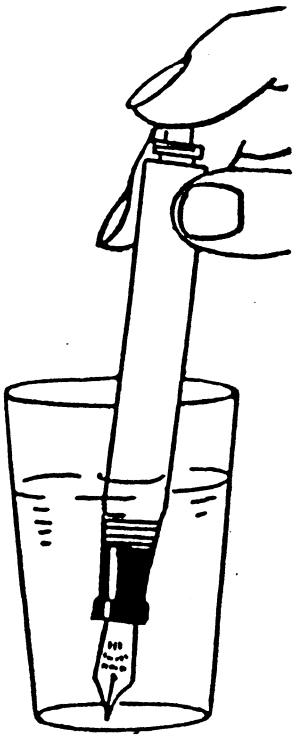
(1) If the cap of the pen is not screwed on securely when not in use, the ink may ooze out of the feed and soil the inner wall of the cap. When the user later unscrews the cap, his fingers may be soiled with ink which has accumulated on the threads of the barrel and he will complain that his pen "leaks".

The purpose of the cap is to effect a hermetic sealing which makes the escape of ink impossible. To accomplish this, the cap must be screwed on until a "click" is heard. The click is produced by the tight closure of the inner cap over the section.



(2) When a pen is almost empty and needs refilling, ink will flow faster than normally. This is true with any fountain pen when the volume of air in the barrel is relatively much greater than the volume of ink. Air is highly expansible and the warmth of the hand expands the air in the barrel and forces the ink out through the feed channel. This is probably the basis for most complaints about "leaking" or "flooding"—it is really a signal to refill the pen which, of course stops the trouble.

PROPER CARE OF A FOUNTAIN PEN



The fountain pen is a delicate instrument and should be treated as such.

Never fill a pen from an ink bottle which has been left uncorked for some time, or from ink which contains sediment, for dust and dirt particles will clog the fine ink channel in the feed.

In the course of time it is quite natural that even with use of the best ink some small particles of sediment will enter the ink sac and obstruct the flow of ink through the channel.

It is, therefore, necessary to clean the fountain pen from time to time in order to keep it in good condition. This cleaning process is very simple. Fill a tumbler with clean clear water, insert the pen just as for filling, fill the reservoir with water and expel it again. Repeat this flushing operation four or five times to wash away all sediment in the channel. To insure thorough cleansing of the pen, fill the pen with water and let it stand point down in a tumbler of water overnight. This dissolves and removes all ink crusts.

You will not find it necessary to ever clean a pen if you use "Quink with Solv-x".

This harmless secret solvent cleans all pens as they write—prevents corrosion—dissolves sediment.

REFERENCE FITTING CHART FOR REPAIR ASSEMBLY

Name	Retail Price	Point Size	Section	Feed	Feed & Breather Tube Length	Fitting Length
PARKETTES						
Parkette	$1.25	Rador	Parkette	4 Chall.	1 - 21/32	23/32
Lady DeLuxe	1.75	Rador	2 Window	2 Chall.	1 - 19/32	21/32
Junior DeLuxe	1.75	Rador	4 Window	4 Chall.	1 - 21/32	23/32
Zephyr	1.95	Zephyr	Zephyr	4 Chall.	1 - 21/32	21/32
Writefine	1.00	Rador	Zephyr	4 Chall.	1 - 21/32	23/32
NON GUARANTEED VACS						
Lady—Short Blind Cap	5.00	2 - 5.00	2 Vac. O.S.	2 Vac.	2 - 15/32	21/32
Lady—Long Blind Cap	5.00	2 - 5.00	2 Vac. N.S.	2 Vac.	1 - 15/16	21/32
Jr.—Short Blind Cap	5.00	4 - 5.00	4 Vac. O.S.	4 Vac.	2 - 9/16	3/4
Jr.—Long Blind Cap	5.00	4 - 5.00	4 Vac. N.S.	4 Vac.	2 - 21/64	3/4
Lady—Short Blind Cap	7.50	2 - 5.00	2 Vac. O.S.	2 Vac.	2 - 15/32	21/32
Lady—Long Blind Cap	7.50	2 - 5.00	2 Vac. N.S.	2 Vac.	1 - 15/16	21/32
Jr.—Short Blind Cap	7.50	4 - 5.00	4 Vac. O.S.	4 Vac.	2 - 27/32	3/4
Jr.—Long Blind Cap	7.50	4 - 5.00	4 Vac. N.S.	4 Vac.	2 - 21/64	3/4
GUARANTEED VACS						
Lady—Long Blind Cap *	8.75	2 - 8.75	2 Vac. N.S.	2 Vac.	1 - 15/16	21/32
Major—Long Blind Cap *	8.75	4 - 8.75	4 - 8.75	4 - 8.75	2 - 21/64	3/4
Sr.—Long Blind Cap *	10.00	6-10.00	6 Vac. N.S.	6 Vac.	2 - 19/32	7/8
Sr.—Short Blind Cap *	10.00	6-10.00	6 Vac. O.S.	6 Vac.	3 - 3/32	7/8
Sr. Sl.—Short Blind Cap *	10.00	6-10.00	6 Vac. O.S. Sl.	6 Vac.	3 - 3/32	7/8
Sr.—Long Blind Cap *	10.00	6-10.00	4 - 8.75	4 - 8.75	2 - 31/64	3/4
Lady Imperial *	12.75	2 - 8.75	2 Imperial	2 Vac.	2 - 1/8	21/32
Junior Imperial *	12.75	4 - 8.75	4 Imperial	4 - 8.75	2 - 5/8	3/4

Notes—
Asterisk Indicates Guaranteed
O.S. Indicates Old Style
N.S. Indicates New Style

Pierced Points at Heel Indicate Non-Guaranteed
Starred Points at Heel Indicate Guaranteed
Vac. Points not Pierced at Heel are Guaranteed

REFERENCE FITTING CHART FOR REPAIR ASSEMBLY

Name		Retail Price	Point Size	Section	Feed	Feed & Breather Tube Length	Fitting Length
DUOFOLDS							
Vest Parker	*	$5.00	2 Duo.	Vest Parker	Vest Parker	29/32	19/32
Lady—O.S.	*	5.00	2 Duo.	2 Duo. Screw	Vest Parker	1 - 7/16	21/32
Lady—N.S.	*	5.00	2 Duo.	2 Duo. Slip	Vest Parker	1 - 7/16	21/32
Junior—O.S.	*	5.00	4 Duo.	4 Duo. Screw	4 Parker	1 - 19/64	3/4
Junior—N.S.	*	5.00	4 Duo.	4 Duo. Slip	4 Parker	1 - 19/64	3/4
Senior—O.S.	*	7.00	6 Duo.	6 Duo. Screw	6 Parker	1 - 17/32	7/8
Senior—N.S.	*	7.00	6 Duo.	6 Duo. Slip	6 Parker	1 - 17/32	7/8
Slender Lady		3.50	2 Chall.	2 Window	2 Chall.	1 - 19/32	21/32
Junior		3.50	4 Chall.	4 Window	4 Chall.	1 - 21/32	23/32
Lady Sacless		3.95	2 Chall.	2 Vac. N.S.	2 Vac.	1 - 15/16	21/32
Junior Sacless		3.95	4 Chall.	4 Vac. N.S.	4 Vac.	2 - 21/64	23/32
Lady Sacless		5.00	2 Chall.	2 Vac. N.S.	2 Vac.	1 - 15/16	21/32
Junior Sacless		5.00	4 Chall.	4 Vac. N.S.	4 Vac.	2 - 21/32	23/32
Lady Sacless	*	8.75	2-8.75 Duo.	2 Vac. N.S.	2 Vac.	1 - 15/16	21/32
Junior Sacless	*	8.75	4-8.75 Duo.	4 Maj. Vac.	4 Vac.	2 - 31/64	3/4
Lady Sac		2.95	2 Chall.	2 Window	2 Chall.	1 - 19/32	21/32
Junior Sac		2.95	4 Chall.	4 Window	4 Chall.	1 - 21/32	23/32
CHALLENGER							
Lady		2.75	2 Chall.	2 Chall.	2 Chall.	1 - 19/32	21/32
Junior		2.75	4 Chall.	4 Chall.	4 Chall.	1 - 21/32	23/32
Lady DeLuxe		3.50	2 Chall.	2 Chall.	2 Chall.	1 - 19/32	21/32
Junior DeLuxe		3.50	4 Chall.	4 Chall.	4 Chall.	1 - 21/32	23/32
Lady Royal		5.00	2 Chall.	2 Chall.	2 Chall.	1 - 19/32	21/32
Junior Royal		5.00	4 Chall.	4 Chall.	4 Chall.	1 - 21/32	23/32

Notes—
Asterisk Indicates Guaranteed
O.S. Indicates Old Style
N.S. Indicates New Style

Starred Points at Heel Indicate Guaranteed
Pierced Points at Heel Indicate Non-Guaranteed
Vac. Points not Pierced at Heel are Guaranteed

TO REMOVE STAINS INSIDE PEN BARREL

Flush pen with vinegar, for a safe general purpose cleanser to remove ink stains from inside of the barrel of transparent Vacumatic pen. Vinegar cleans the inside wall and leaves the barrel transparent.

Remove all traces of vinegar by flushing the pen several times with water, before filling it with ink.

TO REMOVE STAINS ON OUTSIDE OF BARREL

Moisten a piece of tissue paper and put some good tooth paste on it. Then rub the soiled part of barrel and the stain will be easily removed.

TO KEEP PENS CLEAN

Use Parker Quink containing Solv-x

For writing satisfaction fill pens with Parker Quink, the only ink containing Solv-x.

Pen-protecting Solv-x is a scientific secret formula of harmless solvents and humectants, developed by Parker scientists exclusively for Parker Quink.

Solv-x not only cleans a pen as it writes, but due to its humectant properties, absorbs moisture from the air . . . and thus helps to keep the pen point from drying off.

Quink comes in nine brilliant colors

4 Permanent: Black, Blue-Black, Royal Blue, Red
5 Washable: Blue, Black, Green, Violet, Brown

PARKER "51" INK

For use in "51" Pens only

"51" Ink eliminates blotting and smudging—starts in a split-second, and dries in a split-second. It's waterproof and sunfast. All colors are permanent. The "high velocity" of Parker "51" Ink gives it high-speed penetration into paper. Developed exclusively for use in Parker "51" pens, "51" Ink will not work well in other pens.

"51" Ink comes in four permanent colors

India Black, Tunis Blue, China Red, Pan American Green

REPAIR TOOL ASSORTMENT NO. 320

		Net Price
1.	Bernard Pliers - for fitting nib, feed in section	$1.60
2.	Nib Pliers - for spacing and adjusting nibs	3.00
3.	Flat Brush - for brushing off threads and feeds	.55
4.	Flat File - for filing and cleaning off nipples of section	.20
5.	Round Bristle Brush - for cleaning barrels and caps	.10
6.	Alcohol Lamp - for heating down feeds, shells, etc	.10
7.	Polishing Cloth - for wiping off repaired pen	.10
8.	Pencil Screw Driver - for tightening mechanisms through eraser cup holder	.10
9.	One Pencil Point Drill for Writefine Lead - for drilling out clogged pencil tips	.55
10.	One Pencil Point Drill for thick lead - same purpose as No. 9	.55
11.	Gold Crayon - for filling in engraving	.10
12.	Silver Crayon - for filling in engraving	.10
13.	1 Pc. Hubert Rouge Paper No. 000 - for smoothing nibs	.05
14.	1 Bottle Liquid Polish 2 oz. - for polishing barrels and caps with cloth	.10
15.	1 Bottle"51" Cement 2 oz. - for cementing shell on barrel threads.	.10
16.	1 Bottle Vacumatic Cement 2 oz. - for cementing screw sections threads in barrels	.10
17.	1 Bottle of Diaphragm Lubricant 2 oz. - to be applied on upper outer part of diaphragm to aid in inserting filler unit into barrel	.10
18.	1 Bottle of Orange Shellac 2 oz. - to apply on nipple of sac pen sections to hold on sac	.15
19.	1 Pair Section Pliers - (protect jaws with rubber tubing) for removing sections and shells from pen barrels	.50
20.	1 oz. Rouge Gold Polish - to be applied on cloth for polishing metal parts	.10
21.	1 Sac stretcher - for stretching mouth of sac to be slipped over shellaced section nipple	.05
22.	4 Pieces Rubber Tubing - for covering jaws of section pliers Bernard pliers @ .01	.04
23.	1 Piece Flat Rubber - to be used as friction hand grip to hold pen barrel, tighten clip screws, etc	.01
24.	1 "51" Nib Puller 8573R1 - for removing nib from front end of shell	1.00
25.	1 Dis-Assembly Block and Rod #9592 - to drive out feed and nib from section and to tighten or loosen clip screws and to pull button from button filling pens	.50
26.	1 Fitting Gauge #9601 - for gauging extension of nib beyond section and extension of nib beyond feed	.90
27.	1 Pressure Bar Insertion Tool #10534 - to be inserted into barrel over sac so pressure bar may be inserted into barrel without puncturing sac	.25
28.	1 Filler Unit Clamp #8674 - for removing and inserting all filler units except senior lock filler units	1.00
29.	1 "51" Pen Capacity Gauge - to test capacity of "51" pen	.50
30.	5 Spacing Steels - for medium nibs @ .03	.15
31.	5 Spacing Steels - for fine nibs @ .03	.15
32.	1 Oversize Filler Unit Clamp - for removing and inserting senior lock type filler unit	1.00
33.	1 Magnifying Glass - for inspecting and adjusting nibs	1.00
34.	1 Arbor #8057 for "51" Pen Caps - for removing and fitting clips.	1.00
35.	1 Hook Tool #10201 - for hooking old sacs out of barrels and hooking pressure bars out of lever fill pens	.50
	Tool prices subject to change without notice	Total $16.20

ADDITIONAL REPAIR TOOLS AVAILABLE

		Net Price
1.	Regular Nib Grader - for gauging nibs to match fineness.....	$1.00
2.	Extra Fine and Needle Nib Grader - for gauging nibs to match fineness.....	1.00
3.	1 Clip Screw Wrench for "51" Pen Cap #7291 - for loosening and tightening clip screw bushings.....	1.00
4.	1 Clip Screw Wrench for Writefine Pencils #7122 - for loosening and tightening clip screw bushings.....	1.00
5.	1 "51" Barrel Thread Tap - for tapping out filler unit thread in barrel.....	4.00
6.	1 Cap Thread Tap No. W - for Jr. Vacumatic and Major extended filler Vacumatic.....	4.00
7.	1 Cap Thread Tap No. N - for all Lady pens.....	4.00
8.	1 Cap Thread Tap No. P - for Junior and Standard lock filler Vacumatic, Jr. Challenger, Jr. Parkette, Jr. Streamline Duofold and Jr. Straightshape Duofold.....	4.00
9.	1 Cap Thread Tap No. Q - for Sr. lock filler Vacumatic, Sr. Straightshape Duofold and Sr. Streamline Duofold.....	4.00
10.	1 Cap Thread Tap No. U - for Sr. extended filler Vacumatic.	4.00

FOR DEALERS HAVING A BENCH LATHE, THE FOLLOWING LATHE TOOLS ARE AVAILABLE

1.	1 Carbaloy Tipped Turning Tool #8675A - for turning blind cap joints on "51" pens. This tool can be resharpened only by a machinist. Do not try to sharpen on oil stone.....	1.50
2.	1 Thread Chasing Tool for 36 Threads - for reducing front barrel thread diameter on Duofold, Vacumatic, Challenger, Parkette, and Writefine Pens.....	1.00
3.	1 Facing Tool - for facing back sections, blind cap joints.....	.50
4.	1 Wide Turning Tool - for turning down wide surfaces on all pens except "51" pens.....	.50
5.	1 Narrow Turning Tool - for turning down narrow surfaces on all pens except "51" pens.....	.50
6.	1 Arkansas Oil Stone size 1" x 2" x 4" - for sharpening all turning and facing tools except the Carbaloy Turning Tool.....	2.00
	Total	$34.00

ENGRAVING CRAYON

For filling in names engraved on barrels, we have prepared special crayon. It is available in two colors, Silver or Gold, and priced at 10¢ net per stick.

10c net per stick

10c net per stick

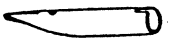
LIQUID POLISH

To restore a high lustre to the pen barrel apply liquid polish so that it forms a thin coat over the entire pen holder. Allow to dry for a few seconds; then rub the pen well with a dry soft cloth until it is dry.

Bottle of
Liquid Polish
10c net

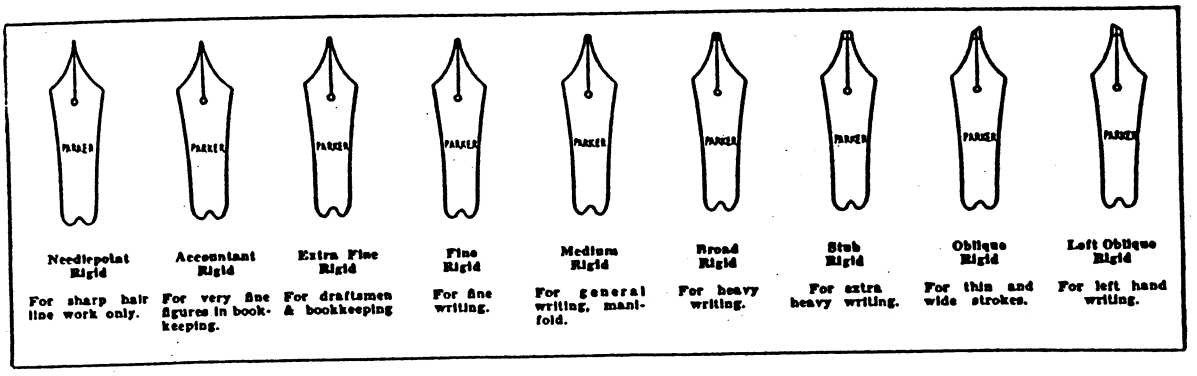
Parker Gold Pen Points

All Parker gold pen points are made of 14K gold, tipped with "oil-smooth" Osmiridium. For the Parker "51" pen there is a choice of 9 rigid pen points. For the Vacumatic pen there are 18 different pen points, 9 rigid, 9 flexible as shown below.



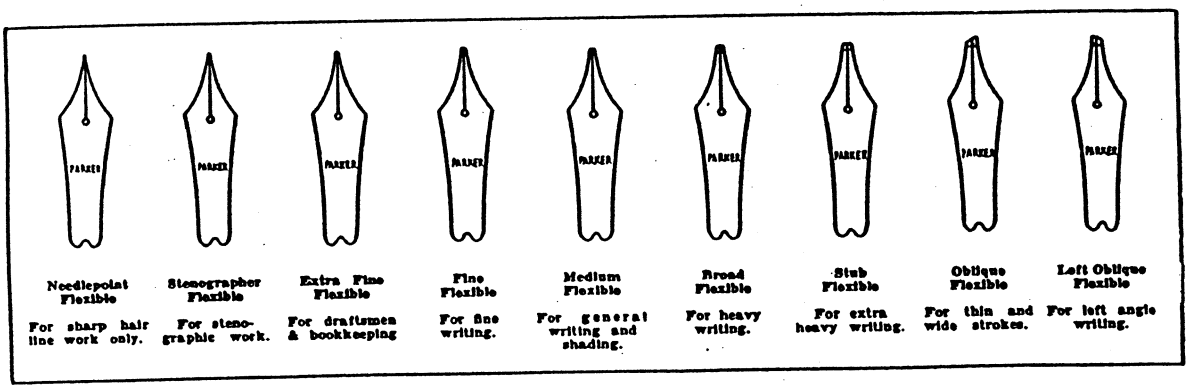
Parker "51" points can be supplied in the 9 rigid points. Flexible points cannot be made for the Parker "51" pen because of the construction of the pen.

Rigid Gold Pen Points



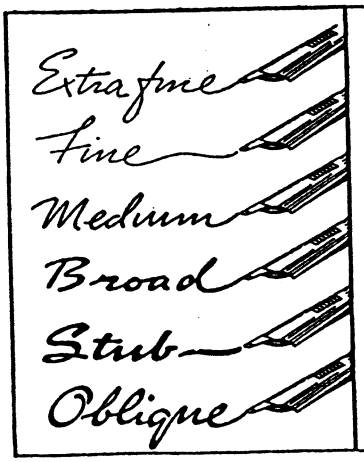
Needlepoint Rigid	Accountant Rigid	Extra Fine Rigid	Fine Rigid	Medium Rigid	Broad Rigid	Stub Rigid	Oblique Rigid	Left Oblique Rigid
For sharp hair line work only.	For very fine figures in bookkeeping.	For draftsmen & bookkeeping	For fine writing.	For general writing, manifold.	For heavy writing.	For extra heavy writing.	For thin and wide strokes.	For left hand writing.

Flexible Gold Pen Points



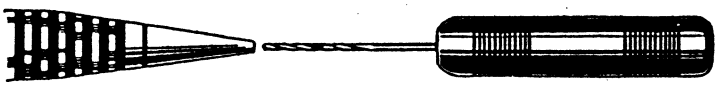
Needlepoint Flexible	Stenographer Flexible	Extra Fine Flexible	Fine Flexible	Medium Flexible	Broad Flexible	Stub Flexible	Oblique Flexible	Left Oblique Flexible
For sharp hair line work only.	For stenographic work.	For draftsmen & bookkeeping	For fine writing.	For general writing and shading.	For heavy writing.	For extra heavy writing.	For thin and wide strokes.	For left angle writing.

List Price of Gold Pen Points & Range of Points Made



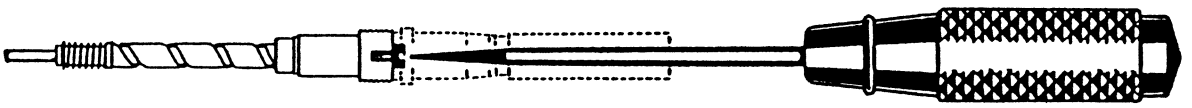
Parker Gold Pen Points	List Price	Pen Points Available in
Parker "51"	$3.50	Rigid only: 9 styles of points.
Sr. Maxima Vacumatic	4.00	Rigid and Flexible: 18 styles of points.
Major Vacumatic	3.50	
Debutante Vacumatic	3.50	
Junior Vacumatic	2.00	
Sub-Deb Vacumatic	2.00	
Duofold No. 4 for Men's $3.95 and $2.95 pen	1.25	Rigid and Flexible: Extra Fine, Fine, Medium, Broad.
Duofold No. 2 for Lady's $3.95 and $2.95 pen	1.25	
Parkette	1.00	Rigid and Flexible: Extra Fine, Fine, Medium.

All prices subject to 20% Federal Excise Tax.



Pencil Point Drill, 55¢ net

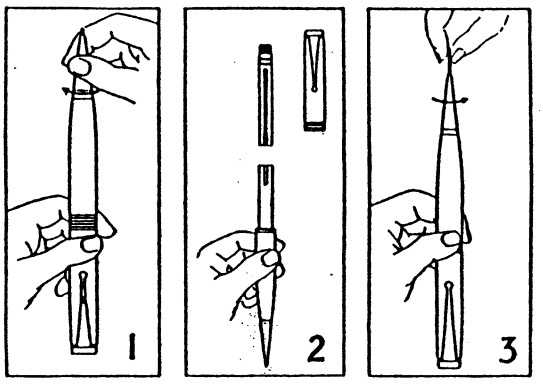
Sometimes the lead gets jammed in the pencil point. The clogged lead can be removed by means of the pencil point drill. Simply insert the drill in the front end of the pencil and turn the drill until all jammed lead has beeen removed.



Pencil Screw Driver, 10¢ net

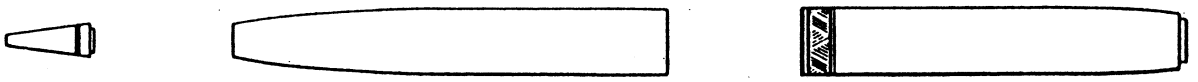
This screw driver has been made to fit the screw in the inside of the pencil mechanism. This screw holds the mechanism assembly together. Insert the screw driver from the rear to take screw out and take mechanism apart.

THE PARKER LEAD CARTRIDGE

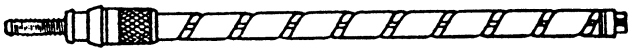


The leads and the eraser in Parker Pencils are contained in a special cartridge. The entire cartridge may be removed and a new one inserted, thus insuring you of receiving best quality leads and a fresh eraser at all times.

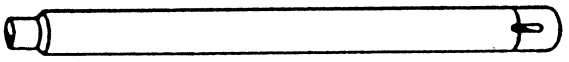
PARKER WRITEFINE PENCIL



Point Barrel Cap



Movement



Eraser Cup Holder

Clip

Clip Screw

BARREL ASSEMBLY

Put the small end of the eraser cup holder over small end of movement and push down over knurled brass bushing. Place a drop of shellac on chrome bushing, then slip into barrel. Screw on point.

CAP ASSEMBLY

Place clip screw into clip and screw these parts into the cap.

If cap fits loose on the eraser cup holder, pinch the latter to an oval shape so that the cap will fit on tight.

PARTS FOR PARKER WRITEFINE PENCILS

	List Price	$30.00 "51" Heirloom	$15.00 "51" Heritage	$10.00 "51" Signet	$7.50 "51" Gold-Cap	$5.00 "51" Silver or Lustraloy
*	Point	2.40	2.40	.40	.40	.40
	Barrel	.70	.70	.70	.70	.70
	Mechanism	1.00	1.00	1.00	1.00	1.00
	Eraser Cup Holder	.20	.20	.20	.20	.20
	Pair Lead Dividers	.05	.05	.05	.05	.05
*	Cap	17.50	7.50	7.50	5.00	2.50
*	Clip	8.60	8.60	.60	.60	.60
	Bushing	.05	.05	.05	.05	.05
	Clip Screw	.05	.05	.05	.05	.05

	List Price	$6.00 Imperial Major Vacumatic	$5.00 Imperial Debutante Vacumatic	$5.00 Sr. Maxima & Maxima Vacumatic	$4.00 Major & Debutante Vacumatic	$3.75 Standard & Slender Vacumatic	$3.75 Junior & Sub-Deb Vacumatic
*	Point	.40	.40	.40	.40	.40	.40
	Barrel	1.20	.80	1.20	.80	.80	.70
	Mechanism	1.00	1.00	1.00	1.00	1.00	1.00
	Eraser Cup Holder	.20	.20	.20	.20	.20	.20
	Pair Lead Dividers	.05	.05	.05	.05	.05	.05
	Cap	3.00	2.75	1.50	1.40	1.00	.90
*	Clip	.60	.60	.60	.60	.60	.60
	Bushing	.05	.05	.05	.05	.05	.05
	Clip Screw	.05	.05	.05	.05	.05	.05

	List Price	$2.50 ($1.05) Sacless Duofold	$2.00 ($1.15) Sac Duofold	$1.00 Parkette Zephyr	$2.50 Utility	$1.50 Utility	$1.00 Utility
*	Point	.25	.25	.15	.15	.15	.15
	Barrel	.50	.40	.30	.30	.30	.30
	Mechanism	1.00	1.00	.30	.30	.30	.30
	Eraser Cup Holder	.10	.10	.10	.10	.10	.10
	Pair Lead Dividers	.05	.05	.05	.05	.05	.05
	Center Section				1.80	.80	.30
	Cap	.75	.60	.40			
*	Clip	.30	.30	.10	.15	.15	.15
	Bushing	.05	.05	.05			
	Clip Screw	.05	.05	.05			
	Eraser Drive				.10	.10	.10
	Collar				.20	.20	.20

* Subject to 20% Federal Excise Tax

This tax does not apply to chrome clips or chrome fitted caps.